



OUTBOARD MARINE CORPORATION

100 Sea-Horse Drive  
Waukegan, Illinois 60085-2195  
Phone 708/689-6200

8 April 1996

Mr. Lawrence Schmitt  
Remedial Project Manager  
/Waukegan Harbor Site On-Scene Coordinator  
U.S. Environmental Protection Agency  
77 W. Jackson Boulevard HSRL-6J  
Chicago, IL 60604-3590

**VIA OVERNIGHT COURIER**

**RE: Waukegan Harbor Superfund Site  
United States of America and the People of the State of Illinois  
vs. the Outboard Marine Corporation  
Civil Action #88 C 8571  
Transmittal of Quarterly Report**

Dear Mr. Schmitt:

As called for in the subject consent decree, OMC herein submits a quarterly report for the period ending March 31, 1996.

This letter also serves as notification that the next groundwater sampling event (the first semi-annual event) is scheduled for April 19-20, 1996. OMC has determined that its worker schedule requires this sampling be completed on a Friday and Saturday. The samples collected on Saturday will be kept in a secured refrigerator until shipment on Monday to the laboratory.

If you have any questions, please feel free to call me at 847/689-5228 or Roger Crawford at 847/689-5219.

Sincerely,

Tricia Sutton  
Senior Environmental Specialist  
Manager - Remediation

enclosure

ts/H:\REMEDIAL\HARBOR\CORRESP\1996\QTR-0196.RPT

cc: See distribution list (attached)

**QUARTERLY PROGRESS REPORT  
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Report w/Attachments

Assistant Attorney General  
Land & Natural Resources Division  
U.S. Department of Justice  
10th & Constitution Ave. NW, Rm. 2143  
Washington, DC 20530

OVERNIGHT

Report w/Attachments

Mr. Gerald E. Willman  
Federal Sites Management Unit  
Illinois Environmental Protection Agency  
Division of Land Pollution Control  
2200 Churchill Rd.  
Springfield, IL 62702

OVERNIGHT

Report w/Attachments

# QUARTERLY PROGRESS REPORT JANUARY 1996 THROUGH MARCH 1996 WAUKEGAN HARBOR REMEDIAL ACTION

This report presents a quarterly report for the above specified time period for the Waukegan Harbor Superfund Site pursuant to the Consent Decree for remedial action.

## WORK COMPLETED, NEW DATA AND TEST RESULTS

Attachment 1 contains copies of Discharge Monitoring Reports for NPDES Permit No. ILO002267 for December 1995 and January and February 1996.

During January and February 1996, Layne-Northwest completed extensive maintenance of recovery wells R-5 and R-6 (in the West Containment Cell) and the Category 5 water treatment system to address iron and bacterial fouling problems identified in past quarters. The maintenance included the following activities:

### Recovery Wells:

- Removed, inspected, and replaced the submersible pumps and associated piping (the pumps could not be cost-effectively repaired due to the extent of fouling and damage).
- Super-chlorinated the wells with a 2000 ppm sodium hypochlorite solution which was displaced into the well and screen/filter pack zone with a surge block. (The solution was left in the wells for a minimum contact time of 24 hours.)
- Pumped the chlorine solution out of the wells and processed it with the Category 5 treatment system.
- Injected a formulated acidic chemistry solution to clean the well screens, allowing the mixture to contact the wells for a minimum of 12 hours.
- Developed the wells with a surge block.
- Pumped the formulated cleaning mixture out of the wells, neutralized the solution with soda ash, and treated it with the Category 5 treatment system.

### Category 5 Treatment System:

- Treated the Category 5 system with a super-chlorinated solution (see above).
- Inspected all carbon canisters for evidence of fouling and leaks. Replaced fouled carbon in all canisters and replaced one of the canisters (drum) that had minor leaks.
- Inspected and repaired the floor overflow alarm sensor, the internal ceiling light, the electrical control system, the totalizing flow meter, and the pressure gauges, replacing parts as needed.

- Replaced the audible alarm with a flashing light.

Samples were collected from the recovery wells in the Slip No. 3 and East Containment Cells (R-1, R-2, R-3, and R-4) for field testing to evaluate for bacterial growth. All four of the wells also show evidence of significant bacterial growth. A similar well maintenance procedure to that used in the West Containment Cell will be scheduled for these wells prior to initiating pumping.

Pumping with the Category 5 water treatment system to decrease the water level of the West Containment Cell occurred during February and March, after completion of the maintenance activities described above. Table 1 summarizes analytical results for samples collected this quarter from the Category 5 water treatment system. Attachment 2 contains copies of the analytical reports for treatment plant samples. Table 2 presents Category 5 water treatment operational data.

Tables 3, 4, and 5 present water level measurements collected this quarter for the Slip No. 3, East, and West Containment Cells respectively. An inward hydraulic gradient was maintained at the containment cells throughout the quarter.

On February 12, 1996, OMC discovered damage to the HDPE cover of the Temporary Designated Soil Stockpile during a routine inspection (last inspected February 7) and notified US EPA. It appeared that a tear began in a small area of the cover and expanded from wind action. The damage did not result in a release of the contained soil. Temporary repairs were completed February 14, 1996 by covering the torn area with plastic tarps and securing them with ropes, wooden pallets, and cinder blocks. The temporary patches were resecured several times because strong winds loosened them before the permanent repairs could be made.

GSI, Inc. completed permanent repairs of the cover between February 28 and March 2, 1996, including placing and sealing patches in areas of damage, checking and resealing seams that were showing wear, and spot sealing areas with small pinholes or tears. In addition, rows of sand bags were placed across the soil stockpile to hold down the cover and inhibit propagation of damage if it were to occur in the future. Attachment 3 includes photographs showing the damage and the temporary and permanent repairs, plus a sketch of the areas repaired, and the summary of repairs/patches and field test data. Table 6 presents water level measurements for the Temporary Designated Soil Stockpile.

Note that the groundwater sampling frequency changed to semi-annual during this quarter. Therefore, samples were not collected or analyzed during this reporting period.

## PLANS AND PROCEDURES SUBMITTED

No plans or procedures were submitted during the quarter. A report prepared for OMC by Golder Associates titled "Technical Memorandum, Review of Pumping and Laboratory/Field/Construction Data, East, West, and Slip 3 Containment Cells, Waukegan Harbor Superfund Site, Waukegan, Illinois" was submitted for US EPA last quarter. Comments from US EPA on the report have not yet been received.

## PLANS FOR NEXT QUARTER

During January 1996, US EPA verbally indicated its agreement that the groundwater sampling frequency may switch to semi-annual sampling. Accordingly, there was no groundwater sampling during the first quarter of 1996. The next sampling event (the first semi-annual event) is scheduled for April 19-20, 1996.

Pumping at the West Containment Cell will continue. As needed based on water levels, pumping may begin Slip No. 3 Containment Cell. Depending on the pumping schedule, maintenance on the Slip 3 recovery wells may be initiated.

OMC intends to request bids for maintenance of North Ditch sidewall areas that have experienced erosion and for drainage improvements to reduce ponding of water on parking lot and road areas along the ditch. Although this work does not affect the containment cells, US EPA is being notified as a courtesy because the work occurs in areas previously related to the remedial action.

## LEGAL ISSUES

Two Motions for Dispute Resolution for 1993 and 1994 oversight costs are still pending before Judge Norgle. Interest on the outstanding balance does not accrue until these issues are resolved. OMC is not required to pay interest at this time.

US EPA has not yet responded formally to additional data and reports submitted in the second quarter 1995 regarding detection/compliance issues for monitoring wells W-3 and W-10. Based on verbal communications in the second and third quarters of 1995, it appears that the substantive differences have been resolved.

*h:\remedia\harbor\corresp\1995\QTR-0196.rpt*

## **TABLES**

TABLE 1

FIRST QUARTER 1996  
CATEGORY 5 WATER TREATMENT  
PCB ANALYTICAL RESULTS

WEST CONTAINMENT CELL  
WAUKEGAN HARBOR REMEDIAL ACTION

Sample I.D.	Sample	Results:
	PCB (ug/l) 2/26/96	PCB (ug/l) 3/28/96
T5E	ND	ND
T5I	1.5	ND
T5-ID	1.5	--
T5-LC	ND	ND

Notes:

T5 = Category 5 Water Treatment Plant

E = System Effluent

LC = Lead Carbon Effluent

I = Influent

D = Duplicate

-- = Not collected

ND = Not detected/below laboratory detection limit

**TABLE 2  
CATEGORY 5 WATER TREATMENT PLANT  
OPERATIONAL DATA  
WEST CONTAINMENT CELL**

DATE/TIME	TOTALIZER	GALLONS PER PERIOD	GALLONS TOTAL	COMMENT
1/1/96- 2/22/96				System down for major maintenance.
2/23/96 16:00	4607850.0	--	--	Started up system at West Containment Cell.
2/24/96 17:00	4622633.0	14,783	14,783	Shut system down for weekend.
2/26/96 10:00	4622633.0	--	--	Restarted system. Collected water samples for analysis. Changed cartridge filters.
3/1/96 11:00	4668361.0	45,728	60,511	System operating well. Cartridge filters looking good. Shut system down for weekend.
3/2/96 - 3/6/96	4668361.0	--	--	Resealed lids of lead carbon drums with caulk and pipe connections with Teflon® tape. Changed cartridge filters. Hoses froze over weekend and had to thaw before restarting system (wait for warmer weather).
3/15/96 15:00	4668361.0	--	--	Restarted system.
3/20/96 14:00	4709240.0	40,879	101,390	Changed cartridge filters.
3/28/96 09:00	4757740.0	48,500	149,890	Collected treatment plant samples.
3/29/96 16:15	4770413.0	12,673	162,563	System running well. (Last inspection for quarter.)

TABLE 3

SLIP 3 CONTAINMENT CELL GROUND WATER DATA  
WAUKEGAN HARBOR REMEDIAL ACTION

T.O.R.		W-1	P-1	W-2	P-2	W-3	P-3	W-4	P-4	R-1	R-2
		587.34	588.38	588.23	588.72	586.71	587.70	583.74	584.88	591.35	591.91
DATE		(ft)									
01/22/96	DEPTH	4.60	8.68	5.25	9.42	4.10	9.99	2.01	9.30	12.00	12.70
11:00 AM	ELEV.	582.74	579.70	582.93	579.30	582.61	579.58	581.73	579.06	579.35	579.21
	DIFF.	3.04		3.63		3.03		2.67			
(*W-4 Frozen 2/16/96; water level may not be accurate)											
02/16/96	DEPTH	5.07	8.60	5.70	9.15	4.25	9.79	2.40	9.08	11.85	12.58
02:00 PM	ELEV.	582.27	579.78	582.48	579.57	582.46	579.78	581.34	579.28	579.50	579.33
	DIFF.	2.49		2.91		2.68		2.06			
02/23/96	DEPTH	5.08	8.60	5.71	9.10	4.20	9.79	2.40	9.06	11.88	12.58
10:00 AM	ELEV.	582.26	579.78	582.47	579.62	582.51	579.78	581.34	579.30	579.47	579.33
	DIFF.	2.48		2.85		2.73		2.04			
03/09/96	DEPTH	4.98	8.63	5.64	9.20	4.24	9.90	2.30	9.14	11.92	12.63
12:30 PM	ELEV.	582.36	579.75	582.54	579.52	582.47	579.67	581.44	579.22	579.43	579.28
	DIFF.	2.61		3.02		2.80		2.22			
03/23/96	DEPTH	4.79	8.42	5.55	9.02	4.12	9.67	2.18	8.97	11.75	12.52
01:30 PM	ELEV.	582.55	579.96	582.63	579.70	582.59	579.90	581.56	579.39	579.60	579.39
	DIFF.	2.59		2.93		2.69		2.17			

TABLE 4

EAST CONTAINMENT GROUND WATER DATA  
WAUKEGAN HARBOR REMEDIAL ACTION

T.O.R.	W-5	P-5	W-6	P-6	W-7	P-7	W-8	P-8	R-3	R-4
	588.89	588.07	588.30	588.08	586.56	587.20	586.64	587.87	591.98	591.98
DATE	(ft)									
01/02/96 DEPTH	7.55	9.35	--	--	--	--	--	--	--	--
01:00 PM ELEV.	581.34	578.72	588.30	588.08	586.56	587.20	586.64	587.87	591.98	591.98
DIFF.	2.62		NA		NA		NA			
01/22/96 DEPTH	7.27	9.29	6.48	9.36	5.50	8.44	5.80	9.22	13.30	13.27
09:25 AM ELEV.	581.62	578.78	581.82	578.72	581.06	578.76	580.84	578.65	578.68	578.71
DIFF.	2.84		3.10		2.30		2.19			
02/16/96 DEPTH	7.38	9.51	6.81	9.61	5.27	8.65	5.12	9.42	13.45	13.51
03:00 PM ELEV.	581.51	578.56	581.49	578.47	581.29	578.55	581.52	578.45	578.53	578.47
DIFF.	2.95		3.02		2.74		3.07			
02/23/96 DEPTH	7.33	9.48	6.75	9.61	5.31	8.60	5.12	9.44	13.40	13.45
11:00 AM ELEV.	581.56	578.59	581.55	578.47	581.25	578.60	581.52	578.43	578.58	578.53
DIFF.	2.97		3.08		2.65		3.09			
03/09/96 DEPTH	7.30	9.42	6.70	9.58	5.29	8.64	5.08	9.40	13.35	13.41
02:00 PM ELEV.	581.59	578.65	581.60	578.50	581.27	578.56	581.56	578.47	578.63	578.57
DIFF.	2.94		3.10		2.71		3.09			
03/23/96 DEPTH	6.35	9.45	5.98	9.50	4.05	8.20	3.75	9.35	13.40	13.44
11:00 AM ELEV.	582.54	578.62	582.32	578.58	582.51	579.00	582.89	578.52	578.58	578.54
DIFF.	3.92		3.74		3.51		4.37			

TABLE 5

WEST CONTAINMENT GROUND WATER DATA  
WAUKEGAN HARBOR REMEDIAL ACTION

T.O.R.		W-9	P-9	W-10	P-10	W-11	P-11	W-12	P-12	R-5	R-6
		587.69	587.98	587.45	587.55	589.26	588.16	587.10	588.00	603.79	601.48
DATE		(ft)									
01/22/96	DEPTH	5.85	9.33	4.61	9.25	6.55	9.78	5.65	8.48	25.51	23.00
10:00 AM	ELEV.	581.84	578.65	582.84	578.30	582.71	578.38	581.45	579.52	578.28	578.48
	DIFF.	3.19		4.54		4.33		1.93			
02/16/96	DEPTH	5.87	8.92	5.20	8.60	6.75	9.20	5.55	8.20	24.84	22.41
02:30 PM	ELEV.	581.82	579.06	582.25	578.95	582.51	578.96	581.55	579.80	578.95	579.07
	DIFF.	2.76		3.30		3.55		1.75			
02/23/96	DEPTH	5.87	8.93	5.21	8.60	6.70	9.28	5.62	8.31	24.95	22.45
10:30 AM	ELEV.	581.82	579.05	582.24	578.95	582.56	578.88	581.48	579.69	578.84	579.03
	DIFF.	2.77		3.29		3.68		1.79			
03/09/96	DEPTH	5.82	9.29	5.10	8.92	6.65	9.50	5.51	8.49	25.15	22.75
01:00 PM	ELEV.	581.87	578.69	582.35	578.63	582.61	578.66	581.59	579.51	578.64	578.73
	DIFF.	3.18		3.72		3.95		2.08			
03/23/96	DEPTH	5.08	9.70	4.55	9.00	6.15	9.65	4.50	8.49	25.40	26.85
10:00 AM	ELEV.	582.61	578.28	582.90	578.55	583.11	578.51	582.60	579.51	578.39	574.63
	DIFF.	4.33		4.35		4.60		3.09			

TABLE 6

TEMPORARY DESIGNATED SOIL STOCKPILE (PNA Cell)  
 WATER LEVEL READINGS  
 WAUKEGAN HARBOR REMEDIAL ACTION

READING DATE	READING ABOVE SUMP (IN INCHES)	ELEVATION (feet MSL)	ACTION LEVEL (feet MSL)	DIFFERENCE (IN INCHES)	COMMENTS/ INSPECTION NOTES
02/12/96	31.00	585.39	586.14	-8.96	Cell cover torn, pos. weather damage.
02/14/96					Temporary patch placed (plastic tarps).
02/21/96	32.00	585.48	586.14	-7.96	Temp. patch holding.
02/24/96					Patch material partly loose. Reattached.
02/26/96					Some buckling of patch. Need more weight on it.
02/27/96					Wind loosened patch again. Resecured.
02/28/96	32.75	585.54	586.14	-7.21	GSI began permanent repairs.
02/29/96 to 3/2/96					Continued repairs. Added sand bags as weight.
03/09/96	32.50	585.52	586.14	-7.46	Cover looks good.
03/15/96	32.75	585.54	586.14	-7.21	
03/23/96	32.75	585.54	586.14	-7.21	

**ATTACHMENT 1**  
**DISCHARGE MONITORING REPORTS**



OUTBOARD MARINE CORPORATION

100 Sea-Horse Drive  
Waukegan, Illinois 60085-2195  
Phone 708/689-6200

March 29, 1996

Mr. Dan Ray  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section  
2200 Churchill Road  
Springfield, IL 62794-9276

Re: Discharge Monitoring Report - February 1996  
NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the February, 1996 Discharge Monitoring Report for the OMC Waukegan facility.

One precipitation event occurred this reporting period on Sunday, February 25, 1996. However, due to extremely cold weather conditions between the beginning of the rain event and the collection of the sample composite, the sample had frozen. The sample expanded, breaking its glass container. Thus, making the collection of this sample composite unobtainable.

If you have any questions regarding this report, please contact me at 708 / 689-5365.

Sincerely,

Timothy N. Rosner  
Environmental Analyst  
OMC Waukegan

cc: M. Flowers  
L. Keller  
B. Kuester  
A. Montemurro  
J. Moran

RECEIVED  
APR 02 1996  
OMC ENVIRONMENTAL  
AFFAIRS DEPT

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

IL ST	0002267 PERMIT NUMBER	001 DIS	3519 SIC	42°21'48" LATITUDE	87°49'18" LONGITUDE
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REPORTING PERIOD FROM 

9	6	0	2	0	1
YEAR	MO	DAY			

 TO 

9	6	0	3	0	1
YEAR	MO	DAY			

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				CONCENTRATION					FREQUENCY (OF ANALYSIS)	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	0.332	0.344	0.359	10 <sup>6</sup>						4/30	24 hr.
	PERMIT CONDITION				Gallons						1/30	24 hr.
pH (00440)	REPORTED					7.7	7.7	7.7		0	1/30	Grab
	PERMIT CONDITION					6		9			1/30	Grab
TEMPERATURE (00010)	REPORTED					49.0	49.0	49.0		0	1/30	Grab
	PERMIT CONDITION								°F		1/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED					<0.0005	<0.0005	<0.0005		0	1/7	24 hr.
	PERMIT CONDITION							0.005	mg/l		1/7	24 hr.
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											

NAME OF PRINCIPAL EXECUTIVE OFFICER <b>Poole, Glenn E.</b>	TITLE OF THE OFFICER <b>Plant Manager</b>	DATE <b>9 6 0 3 2 9</b> YEAR MO DAY	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	<i>G. Poole</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
LAST FIRST MI	TITLE	YEAR MO DAY		

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

IL 832 0097  
WPC 343 91/79

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\* DUE TO THE INSTALLATION OF A CLOSED LOOP COOLING SYSTEM IN DECEMBER 1993, DISCHARGE FROM THIS OUT FALL HAS BEEN ELIMINATED.

IL SI	0002267 PERMIT NUMBER	006 DIS	3519 SIC	42°21'51" N LATITUDE	87°49'17" W LONGITUDE
REPORTING PERIOD FROM			TO		
96	02	01	96	03	01
YEAR	MO	DAY	YEAR	MO	DAY

PARAMETER	REPORTED	QUANTITY				UNITS	NO EX	CONCENTRATION				NO EX	FREQUENCY (OF ANALYSIS)	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	*	*	*	10 <sup>6</sup> Gallons			*	*	*			24 hr.	
	PERMIT CONDITION													
pH (00440)	REPORTED							*	*	*			Grab	
	PERMIT CONDITION							6		9				
TEMPERATURE (00010)	REPORTED							*	*	*	°F		Grab	
	PERMIT CONDITION													
OIL & GREASE (00550)	REPORTED							*	*	*	mg/l		Grab	
	PERMIT CONDITION								15	30				
POLYCHLORINATED BIPHENYLS	REPORTED							*	*	*	mg/l		24 hr.	
	PERMIT CONDITION									0.005				
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
LAST FIRST MI Poole, Glenn E.	TITLE Plant Manager	YEAR MO DAY 96 03 29		

IL 532 0097  
 W 8 142 91/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

DISCHARGE MONITORING REPORT

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

IL ST	0002267 PERMIT NUMBER	007 DIS	3519 SIC	42°22'6" LATITUDE	87°48'54" LONGITUDE
REPORTING PERIOD FROM		9, 6 YEAR	0, 2 MO	0, 1 DAY	TO
		9, 6 YEAR	0, 3 MO	0, 1 DAY	

PARAMETER	REPORTED	QUANTITY				UNITS	%	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	0.079	0.119	0.162	10 <sup>6</sup>		0					2/7	24 hr.	
	PERMIT CONDITION				Gallons							2/7	24 hr.	
pH (00440)	REPORTED							7.9	7.9	7.9		0	1/30	Grab
	PERMIT CONDITION							6		9			1/30	Grab
TEMPERATURE (00010)	REPORTED							63.0	63.0	63.0		0	1/30	Grab
	PERMIT CONDITION										°F		1/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED							< 0.0005	< 0.0005	< 0.0005		0	2/7	24 hr.
	PERMIT CONDITION								0.001	0.005	mg/l		2/7	24 hr.
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER <b>Poole, Glenn E.</b>	TITLE OF THE OFFICER <b>Plant Manager</b>	DATE 9, 6 YEAR	0, 3 MO	2, 9 DAY	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. Poole</i>
LAST FIRST MI	TITLE	YEAR	MO	DAY		

IL 532-0097  
VPC 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Illinois State Board of Environmental Protection.

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

IL ST 0002267 PERMIT NUMBER 008 DIS 3519 SIC 42°22'4" LATITUDE 87°49'14" LONGITUDE

REPORTING PERIOD FROM 9/6/02 TO 9/6/03

PARAMETER	REPORTED	QUANTITY				UNITS	PERMITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	0.001	0.004	0.008		10 <sup>6</sup>	0					2/7	24 hr.
	PERMIT CONDITION											2/7	24 Hr.
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												

NAME OF PRINCIPAL EXECUTIVE OFFICER: Poole, Glenn E. TITLE OF THE OFFICER: Plant Manager DATE: 9/6/03

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

Signature: G. Poole

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Farm Management Center.

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

IL ST	0002267 PERMIT NUMBER	014 DIS	3519 SIC	42°22'15" LATITUDE	87°49'18" LONGITUDE
REPORTING PERIOD FROM 9 6 0 2 0 1 YEAR MO DAY			TO 9 6 0 3 0 1 YEAR MO DAY		

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.										24 hr.	
	PERMIT CONDITION											24 hr.	
pH (00440)	REPORTED											Grab	
	PERMIT CONDITION						6		9			1/30	Grab
TEMPERATURE (00010)	REPORTED									°F		1/30	Grab
	PERMIT CONDITION												Grab
POLYCHLORINATED BIPHENYLS	REPORTED												24 hr.
	PERMIT CONDITION							0.001	0.005	mg/l		2/7	24 hr.
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												

NAME OF PRINCIPAL EXECUTIVE OFFICER Poole, Glenn E.	TITLE OF THE OFFICER Plant Manager	DATE 9 6 0 3 2 1 9 YEAR MO DAY	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>G. Poole</i>
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WPC 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment.

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\*SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
 GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
 BEEN DIRECTED TO THE STORM RETENTION POND. THE  
 POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

IL 51 PERMIT NUMBER 0002267  
 DIS 015 SIC 3519  
 LATITUDE 42°22'19" LONGITUDE 87°48'59"  
 REPORTING PERIOD FROM 9/6/01 TO 9/6/01

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.				10 <sup>6</sup> Gallons						Calculation
pH (00440)	REPORTED										*/30	Calculation
TOTAL SUSP. SOLIDS	REPORTED											Grab
	PERMIT CONDITION						6			9	*/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED									30	*/30	Storm Composite
	PERMIT CONDITION									0.005	*/30	Storm Composite

NAME OF PRINCIPAL EXECUTIVE OFFICER: Poole, Glenn E.  
 TITLE OF THE OFFICER: Plant Manager  
 DATE: 9/6/01

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*M. Poole*  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Forms Management Center.

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

\* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
 GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
 BEEN DIRECTED TO THE STORM WATER RETENTION POND.  
 THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL  
 017.

IL ST	0002267 PERMIT NUMBER	016 DIS	3519 SIC	42°22'19" LATITUDE	87°49'15" LONGITUDE
REPORTING PERIOD FROM		9 6 YEAR	0 2 MO	0 1 DAY	TO
		9 6 YEAR	0 3 MO	0 1 DAY	

PARAMETER		QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.				10 <sup>6</sup> Gallons						Calculation
	PERMIT CONDITION										* / 30	Calculation
pH (00440)	REPORTED											Grab
	PERMIT CONDITION						6		9		* / 30	Grab
TOTAL SUSP. SOLIDS	REPORTED								30	mg/l	* / 30	Storm Composi e
	PERMIT CONDITION								0.005	mg/l	* / 30	Storm Composi e
POLYCHLORINATED BIHENYLS	REPORTED											Storm Composi e
	PERMIT CONDITION											Storm Composi e
REPORTED												
PERMIT CONDITION												
REPORTED												
PERMIT CONDITION												
REPORTED												
PERMIT CONDITION												

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
POOLE, Glenn E.	Plant Manager	9 6 0 3 2 9 YEAR MO DAY		

IL 832-0097  
 WPC 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Illinois State Board of Environmental Protection.

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\*Samples required for each precipitation event greater than 0.3 inches in a 24 hour period.

This discharge is from the storm retention pond, constructed as agreed to in the consent decree entered in NRDC V. OMC, N.D. ILL. 87 C 4648

\*\*No sample collection due to freezing weather conditions.

IL 00002267 PERMIT NUMBER  
 017 DIS 3519 SIC  
 42°22'19" 87°49'15" LATITUDE LONGITUDE  
 REPORTING PERIOD FROM 9/16 0/12 0/11 YEAR MO DAY TO 9/16 0/13 0/11 YEAR MO DAY

PARAMETER	REPORTED	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	**	**	**		10 <sup>6</sup> Gallons							Calculation
pH (00440)	**					6		9			*/30	Grab
TOTAL SUSP. SOLIDS	**								mg/l		*/30	Storm Composit
POLYCHLORINATED BIPHENYLS	**								mg/l		*/30	Storm Composit
	**											
	**											
	**											
	**											
	**											

NAME OF PRINCIPAL EXECUTIVE OFFICER: Poole, Glenn E. TITLE OF THE OFFICER: Plant Manager DATE: 9/16 0/13 2/19 YEAR MO DAY  
 I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: G. Poole

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the...



OUTBOARD MARINE CORPORATION

100 Sea-Horse Drive  
Waukegan, Illinois 60085-2195  
Phone 708/689-6200

February 28, 1996

Mr. Dan Ray  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section  
2200 Churchill Road  
Springfield, IL 62794-9276

Re: Discharge Monitoring Report - January 1996  
NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the January, 1996 Discharge Monitoring Report for the OMC Waukegan facility.

The contract laboratory has reported PCB results for outfall 017 to be 0.0059 mg/l (as Aroclor 1242), for the sample collected on January 17, 1996. A split sample extraction and analysis from this precipitation event was reported to have a PCB concentration of 0.0034 mg/l of Aroclor 1248. Additionally the Total Suspended Solids concentration for this date was 56 mg/l. Outfall 017 conveys storm water runoff from roof and yard areas only .

Upon notification of these laboratory results, an investigation into the causes of the levels detected was initiated in accordance with the Best Management Practices plan. The results of the BMP investigation to date are inconclusive.

If you have any questions regarding this report, please contact me at 847 / 689-5363.

Sincerely,

Anthony M. Montemurro  
Environmental Specialist  
OMC Waukegan

cc: M. Flowers  
L. Keller  
B. Kuester  
J. Moran

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

IL ST	0002267 PERMIT NUMBER	001 DIS	3519 SIC	42°21'48" LATITUDE	87°49'18" LONGITUDE
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REPORTING PERIOD FROM 9 6 0 1 1 0 1 TO 9 6 0 2 0 1 1  
YEAR MO DAY YEAR MO DAY

PARAMETER	REPORTED	QUANTITY				UNITS	EX	CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	0.376	0.446	0.549		10 <sup>6</sup>	0						5/30	24 hr	
	PERMIT CONDITION				Gallons							1/30	24 hr.	
pH (00440)	7.9	7.9	7.9							0		1/30	Grab	
	PERMIT CONDITION											1/30	Grab	
TEMPERATURE (00010)	50.0	50.0	50.0									1/30	Grab	
	PERMIT CONDITION										°F	1/30	Grab	
POLYCHLORINATED BIPHENYLS	<0.0005	<0.0005	<0.0005									1/7	24 hr.	
	PERMIT CONDITION							0.005	mg/l			1/7	24 hr.	
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF MUNICIPAL EXECUTIVE OFFICER Poole, Glenn E.	TITLE OF THE OFFICER Plant Manager	DATE 9 16 0 2 2 1 9	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>[Signature]</i>
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6832997/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Illinois State Board of Environmental Protection.

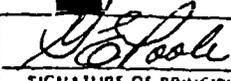
PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\* DUE TO THE INSTALLATION OF A CLOSED LOOP COOLING SYSTEM IN DECEMBER 1993, DISCHARGE FROM THIS OUT FALL HAS BEEN ELIMINATED.

11 ST	0002267 PERMIT NUMBER	006 DIS	3519 SIC	42°21'51" LATITUDE	87°49'17" LONGITUDE
REPORTING PERIOD FROM		916 YEAR	01 MO	01 DAY	TO
		916 YEAR	02 MO	01 DAY	

PARAMETER		QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	*	*	*	10 <sup>6</sup> Gallons	*	*	*			24 hr.	
	PERMIT CONDITION										1/7	24 hr.
pH (00440)	REPORTED					*	*	*			Grab	
	PERMIT CONDITION					6		9			1/30	Grab
TEMPERATURE (00010)	REPORTED					*	*	*			Grab	
	PERMIT CONDITION								°F	1/30	Grab	
OIL & GREASE (00550)	REPORTED					*	*	*			Grab	
	PERMIT CONDITION						15	30	mg/l	1/30	Grab	
POLYCHLORINATED BIPHENYLS	REPORTED					*	*	*			24 hr.	
	PERMIT CONDITION							0.005	mg/l	1/7	24 hr.	
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE			I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.			 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
LAST	FIRST	MI	TITLE			YEAR	MO	DAY						
Poole,	Glenn	E.	Plant Manager			916	01	21						

W-8 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved by the Agency.

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

IL ST	0002267 PERMIT NUMBER	007 DIS	3519 SIC	42°22'6" LATITUDE	87°48'54" LONGITUDE
REPORTING PERIOD FROM 9/6 0/1 0/1 YEAR MO DAY			TO 9/6 0/2 0/1 YEAR MO DAY		

PARAMETER		QUANTITY				UNITS	NO. EX	CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM				
FLOW	REPORTED	0.054	0.134	0.248	10 <sup>6</sup>	0						2/7	24 hr.	
	PERMIT CONDITION				Gallons							2/7	24 hr.	
pH (00440)	REPORTED						7.7	7.7	7.7		0	1/30	Grab	
	PERMIT CONDITION						6		9			1/30	Grab	
TEMPERATURE (00010)	REPORTED						36.0	36.0	36.0		0	1/30	Grab	
	PERMIT CONDITION									°F		1/30	Grab	
POLYCHLORINATED BIPHENYLS	REPORTED						<0.0005	0.00054	0.00082		0	2/7	24 hr.	
	PERMIT CONDITION							0.001	0.005	mg/l		2/7	24 hr.	
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE
Poole, Glenn E.	Plant Manager	9/6 0/2 2/9 YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*Glenn E. Poole*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

837 007  
 7/22/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been revised...

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

IL ST	0002267 PERMIT NUMBER	008 DIS	3519 SIC	42°22'4" LATITUDE	87°49'14" LONGITUDE
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REPORTING PERIOD FROM 9/6/01 TO 9/6/01  
(12-21) (12-22) (12-25) (12-21) (12-29) (12-31)  
 YEAR MO DAY YEAR MO DAY

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				UNITS	EX	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	<0.001	0.019	0.122		10 <sup>6</sup>	0					2/7	24 hr.
	PERMIT CONDITION											2/7	24 hr.
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												

NAME OF PRINCIPAL EXECUTIVE OFFICER <b>Pooler, Glenn E.</b>	TITLE OF THE OFFICER <b>Plant Manager</b>	DATE 9/6/01
LAST FIRST MI	TITLE	YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*[Signature]*  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

6832097  
 708/2421179

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment up to one year. This form has been approved.

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

IL ST	0002267 PERMIT NUMBER	014 DIS	3519 SIC	42°22'15" LATITUDE	87°49'18" LONGITUDE
REPORTING PERIOD FROM		9/6 YEAR	0/1 MO	0/1 DAY	TO
		9/6 YEAR	0/2 MO	0/1 DAY	

PARAMETER	REPORTED	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.										24 hr.	
	PERMIT CONDITION											2/7	24 hr.
pH (00440)	REPORTED												Grab
	PERMIT CONDITION						6		9			1/30	Grab
TEMPERATURE (00010)	REPORTED												Grab
	PERMIT CONDITION									°F		1/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED												24 hr.
	PERMIT CONDITION							0.001	0.005	mg/l		2/7	24 hr.
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*Y. B. Poole*  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

IL 832 0097  
 WPC 242 11/79

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\*SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
 GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
 BEEN DIRECTED TO THE STORM RETENTION POND. THE  
 POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017

11 51	0002267 PERMIT NUMBER	015 DIS	3519 SIC	42°22'19" LATITUDE	87°48'59" LONGITUDE
REPORTING PERIOD FROM		TO			
9 6 0 1 0 1 YEAR MO DAY		9 6 0 2 0 1 YEAR MO DAY			

PARAMETER	REPORTED	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		MINIMUM	AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM					
FLOW	NO FLOW AT THIS OUTFALL.					10 <sup>6</sup> Gallons						*/30	Calculat	
pH (00440)							6			9			*/30	Grab
TOTAL SUSP. SOLIDS										30	mg/l		*/30	Storm Composit
POLYCHLORINATED BIPHENYLS										0.005	mg/l		*/30	Storm Composit

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT
POOLE, Glenn E.	Plant Manager	9 16 0 1 2 2 1 9 YEAR MO DAY		

15-832-9091  
 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and treatment

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
 GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
 BEEN DIRECTED TO THE STORM WATER RETENTION POND.  
 THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL  
 017.

IL ST	0002267 PERMIT NUMBER	016 DIS	3519 SIC	42°22'19" LATITUDE	87°49'15" LONGITUDE
----------	--------------------------	------------	-------------	-----------------------	------------------------

REPORTING PERIOD FROM

9	6	0	1	0	1
YEAR	MO	DAY			

TO

9	6	0	2	0	1
YEAR	MO	DAY			

PARAMETER	REPORTED	QUANTITY				UNITS	CONCENTRATION				FREQUENCY (IF ANALYSIS)	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.				10 <sup>6</sup>						Calcula
	PERMIT CONDITION					Gallons					* /30	Calcula
pH (00440)	REPORTED											Grab
	PERMIT CONDITION						6			9	* /30	Grab
TOTAL SUSP. SOLIDS	REPORTED											Storm Composi
	PERMIT CONDITION									30	mg/l	* /30 Storm Composi
POLYCHLORINATED BIPHENYLS	REPORTED											Storm Composi
	PERMIT CONDITION									0.005	mg/l	* /30 Storm Composi
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE
Poole, Glenn E.	Plant Manager	9/6/02/219
FIRST MI	TITLE	YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*U. E. Poole*  
 SIGNATURE OF PRINCIPLE EXECUTIVE  
 OFFICER OR AUTHORIZED AGENT

IL 837 909  
 W-837 242 911/79

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\*Samples required for each precipitation event greater than 0.3 inches in a 24 hour period.

This discharge is from the storm retention pond, constructed as agreed to in the consent decree entered in NRDC V. OMC, N.D. ILL. 87 C 4648

11 51	00002267 PERMIT NUMBER	017 DIS	3519 SIC	42°22'19" LATITUDE	87°49'15" LONGITUDE
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REPORTING PERIOD FROM 9 16 0 11 0 11 TO 9 16 0 12 0 11  
YEAR MO DAY YEAR MO DAY

PARAMETER	REPORTED	QUANTITY					CONCENTRATION					FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX		
FLOW	REPORTED	0.125	0.125	0.125	10 <sup>6</sup> Gallons	0						1/30	Calcula
	PERMIT CONDITION											*/30	Calcula
pH (00440)	REPORTED						7.6	7.6	7.6		0	1/30	Grab
	PERMIT CONDITION						6		9			*/30	Grab
TOTAL SUSP. SOLIDS	REPORTED						56.0	56.0	56.0		0	1/30	Storm Composi
	PERMIT CONDITION									mg/l		*/30	Storm Composi
POLYCHLORINATED BIPHENYLS	REPORTED						0.0059	0.0059	0.0059		0	1/30	Storm Composi
	PERMIT CONDITION									mg/l		*/30	Storm Composi
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												
	REPORTED												
	PERMIT CONDITION												

NAME OF MUNICIPAL EXECUTIVE OFFICER Poole, Glenn E.	TITLE OF THE OFFICER Plant Manager	DATE 9 16 0 12 2 19
LAST FIRST MI	TITLE	YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*Y. B. Sole*  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

57-837-9097



OUTBOARD MARINE CORPORATION

100 Sea-Horse Drive  
Waukegan, Illinois 60085-2195  
Phone 708/689-6200

January 26, 1996

Mr. Dan Ray  
Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Compliance Assurance Section  
2200 Churchill Road  
Springfield, IL 62794-9276

Re: Discharge Monitoring Report - December 1995  
NPDES Permit No. IL 0002267

Dear Mr. Ray:

Enclosed is the December, 1995 Discharge Monitoring Report for the OMC Waukegan facility.

If you have any questions regarding this report, please contact me at 708 / 689-5365.

Sincerely,

Timothy N. Rosner  
Environmental Analyst  
OMC Waukegan

cc: L. Keller  
E. Kuester  
A. Montemurro  
T. Sutton

95epa/dray02i.96

**RECEIVED**  
**JAN 26 1996**  
**OMC ENVIRONMENTAL**  
**AFFAIRS DEPT**

DISCHARGE MONITORING REPORT

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

IL ST	0002267 PERMIT NUMBER	00 DIS	3519 SIC	42°21'48" LATITUDE	87°49'18" LONGITUDE
REPORTING PERIOD FROM			TO		
1	2	0	1	9	5
YEAR MO DAY			YEAR MO DAY		
0	1	0	1	9	6
YEAR MO DAY			YEAR MO DAY		

PARAMETER		QUANTITY				UNITS	NO EX	CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	0.000	0.291	0.402	10 <sup>6</sup>	0							4/30	24 hr
	PERMIT CONDITION				Gallons								1/30	24 hr.
pH (00440)	REPORTED						7.8	7.8	7.8		0		1/30	Grab
	PERMIT CONDITION						6		9				1/30	Grab
TEMPERATURE (00010)	REPORTED						54.0	54.0	54.0		0		1/30	Grab
	PERMIT CONDITION									°F			1/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED						< 0.0005	< 0.0005	< 0.0005		0		1/7	24 hr.
	PERMIT CONDITION								0.005	mg/l			1/7	24 hr.
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE
POOLE, Glenn E.	Plant Manager	01 21 96
LAST FIRST MI	TITLE	YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*H. E. Pool*  
 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

DISCHARGE MONITORING REPORT

IEPA - Region II

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\* DUE TO THE INSTALLATION OF A CLOSED LOOP COOLING SYSTEM IN DECEMBER 1993, DISCHARGE FROM THIS OUT FALL HAS BEEN ELIMINATED.

IL ST	0002267 PERMIT NUMBER	006 DIS	3519 SIC	42°21'51" LATITUDE	87°49'17" LONGITUDE
REPORTING PERIOD FROM			TO		
1	2	0	1	9	5
YEAR MO DAY			YEAR MO DAY		
0	1	0	1	9	6
YEAR MO DAY			YEAR MO DAY		

PARAMETER		QUANTITY				UNITS	NO EX	CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS			MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	*	*	*	10 <sup>6</sup> Gallons		*	*	*			1/7	24 hr.	
	PERMIT CONDITION													
pH (00440)	REPORTED						*	*	*			1/30	Grab	
	PERMIT CONDITION						6		9					
TEMPERATURE (00010)	REPORTED						*	*	*	°F		1/30	Grab	
	PERMIT CONDITION													
OIL & GREASE (00550)	REPORTED						*	*	*	mg/l		1/30	Grab	
	PERMIT CONDITION								15					30
POLYCHLORINATED BIPHENYLS	REPORTED						*	*	*	mg/l		1/7	24 hr.	
	PERMIT CONDITION													0.005
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER		TITLE OF THE OFFICER		DATE		I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT			
LAST	FIRST	MI		YEAR	MO			DAY		
Poole,	Glenn	E.	Plant Manager	0	1	2	6	9	6	<i>Y. E. Poole</i>

IL 632-0097  
WPC 142 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM COMMENTS  
DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
ADDRESS 100 Sea Horse Drive  
Waukegan, IL 60085 - Attn: Anthony Montemurro  
PHONE 708/689-5363

COMMENTS

IL ST	0002267 PERMIT NUMBER	007 DIS	3519 SIC	42°22'6" LATITUDE	87°48'54" LONGITUDE
REPORTING PERIOD FROM		1 2 0 1 9 5 YEAR MO DAY	TO	0 1 0 1 9 6 YEAR MO DAY	

PARAMETER		QUANTITY				UNITS	NO EX	CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	MINIMUM			AVERAGE	MAXIMUM					
FLOW	REPORTED	0.000	0.086	0.243	10 <sup>6</sup>	0						2/7	24 hr.	
	PERMIT CONDITION				Gallons							2/7	24 hr.	
pH (00440)	REPORTED						7.8	7.8	7.8		0	1/30	Grab	
	PERMIT CONDITION						6		9			1/30	Grab	
TEMPERATURE (00010)	REPORTED						45.0	45.0	45.0		0	1/30	Grab	
	PERMIT CONDITION									°F		1/30	Grab	
POLYCHLORINATED BIPHENYLS	REPORTED						< 0.0005	< 0.0005	< 0.0005		0	2/7	24 hr.	
	PERMIT CONDITION							0.001	0.005	mg/l		2/7	24 hr.	
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													
	REPORTED													
	PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE		
POOLE,	GLENN	E.	PLANT	MANAGER	0 1 2 1 6 9 6	YEAR	MO	DAY
LAST	FIRST	MI	TITLE					

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*H. E. Poole*  
SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM COMMENTS  
DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
ADDRESS 100 Sea Horse Drive  
Waukegan, IL 60085 - Attn: Anthony Montemurro  
PHONE 708/689-5363

COMMENTS

IL ST	0002267 PERMIT NUMBER	008 DIS	3519 SIC	42°22'4" LATITUDE	87°49'14" LONGITUDE
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REPORTING PERIOD FROM 1 2 0 1 9 5 TO 0 1 0 1 9 6  
YEAR MO DAY YEAR MO DAY

PARAMETER		QUANTITY				CONCENTRATION					FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	0.005	0.083	0.214	10 <sup>6</sup>	0					2/7	24 hr.
	PERMIT CONDITION											2/7
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											
	REPORTED											
	PERMIT CONDITION											

NAME OF PRINCIPAL EXECUTIVE OFFICER Poole, Glenn E.	TITLE OF THE OFFICER Plant Manager	DATE 0 1 2 1 6 9 6
LAST FIRST MI	TITLE	YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*G. E. Poole*  
SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

IL 832-0097  
WPC 242 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM COMMENTS  
DISCHARGE MONITORING REPORT

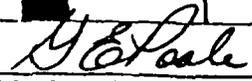
PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE BEEN DIRECTED TO THE STORM WATER RETENTION POND. THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

IL ST	0002267 PERMIT NUMBER	014 DIS	3519 SIC	42°22'15" LATITUDE	87°49'18" LONGITUDE
REPORTING PERIOD FROM		12 YEAR	01 MO	9 DAY	5
TO		01 YEAR	01 MO	9 DAY	6

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				UNITS	NO EX	CONCENTRATION				UNITS	NO EX	FREQUENCY (IF ANALYSIS)	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM				MINIMUM	AVERAGE	MAXIMUM						
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.														24 hr.
	PERMIT CONDITION														2/7	24 hr.
pH (00440)	REPORTED															Grab
	PERMIT CONDITION						6			9					1/30	Grab
TEMPERATURE (00010)	REPORTED															Grab
	PERMIT CONDITION										°F				1/30	Grab
POLYCHLORINATED BIPHENYLS	REPORTED															24 hr.
	PERMIT CONDITION							0.001		0.005	mg/l				2/7	24 hr.
REPORTED																
PERMIT CONDITION																
REPORTED																
PERMIT CONDITION																
REPORTED																
PERMIT CONDITION																

NAME OF PRINCIPAL EXECUTIVE OFFICER			TITLE OF THE OFFICER			DATE			I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.			 SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT		
LAST	FIRST	MI	TITLE			YEAR	MO	DAY						
Poole,	Glenn	E.	Plant Manager			01	21	916						

LL 832 0097  
WPC 242 11/79

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
ADDRESS 100 Sea Horse Drive  
Waukegan, IL 60085 - Attn: Anthony Montemurro  
PHONE 708/689-5363

COMMENTS

\*SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
BEEN DIRECTED TO THE STORM RETENTION POND. THE  
POND DISCHARGE HAS BEEN DESIGNATED OUTFALL 017.

IL ST	0002267 PERMIT NUMBER	015 DIS	3519 SIC	42°22'19" LATITUDE	87°48'59" LONGITUDE
REPORTING PERIOD FROM		1 2 YEAR	0 1 MO	9 5 DAY	TO
		0 1 YEAR	0 1 MO	9 6 DAY	

PARAMETER	REPORTED	QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS		
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.				10 <sup>6</sup> Gallons						Calculation
	PERMIT CONDITION											*/30
pH (00440)	REPORTED											Grab
	PERMIT CONDITION						6			9		*/30
TOTAL SUSP. SOLIDS	REPORTED											Storm Composite
	PERMIT CONDITION									30	mg/l	*/30
POLYCHLORINATED BIPHENYLS	REPORTED											Storm Composite
	PERMIT CONDITION									0.005	mg/l	*/30
REPORTED												
PERMIT CONDITION												
REPORTED												
PERMIT CONDITION												
REPORTED												
PERMIT CONDITION												

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE
Poole, Glenn E.	Plant Manager	0 1 2 1 6 9 1 6 YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*[Signature]*  
SIGNATURE OF PRINCIPLE EXECUTIVE OFFICER OR AUTHORIZED AGENT

IL 532-0097  
708-242-1179

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM COMMENTS  
DISCHARGE MONITORING REPORT

PERMITTEE NAME **OMC Waukegan - Facility of Outboard Marine Corp.**  
 ADDRESS **100 Sea Horse Drive**  
**Waukegan, IL 60085 - Attn: Anthony Montemurro**  
 PHONE **708/689-5363**

COMMENTS

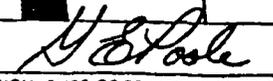
\* SAMPLES REQUIRED FOR EACH PRECIPITATION EVENT  
 GREATER THAN 0.3 INCHES IN A 24 HOUR PERIOD

STORM WATER DISCHARGES FROM THIS OUTFALL HAVE  
 BEEN DIRECTED TO THE STORM WATER RETENTION POND.  
 THE POND DISCHARGE HAS BEEN DESIGNATED OUTFALL  
 017.

IL ST	0002267 PERMIT NUMBER	016 DIS	3519 SIC	42°22'19" LATITUDE	87°49'15" LONGITUDE
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REPORTING PERIOD FROM **1 2 0 1 9 5** TO **0 1 0 1 9 6**  
YEAR MO DAY YEAR MO DAY

PARAMETER		QUANTITY				UNITS	CONCENTRATION				FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM	UNITS		MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	REPORTED	NO FLOW AT THIS OUTFALL.				10 <sup>6</sup> Gallons							Calculation
	PERMIT CONDITION												
pH (00440)	REPORTED												Grab
	PERMIT CONDITION						6		9			*/30	Grab
TOTAL SUSP. SOLIDS	REPORTED												Storm Composi
	PERMIT CONDITION								30	mg/l		*/30	Storm Composi
POLYCHLORINATED BIPHENYLS	REPORTED												Storm Composi
	PERMIT CONDITION								0.005	mg/l		*/30	Storm Composi
REPORTED													
PERMIT CONDITION													
REPORTED													
PERMIT CONDITION													
REPORTED													
PERMIT CONDITION													

NAME OF PRINCIPAL EXECUTIVE OFFICER <b>Poole, Glenn E.</b>	TITLE OF THE OFFICER <b>Plant Manager</b>	DATE <b>0 1 2 1 6 9 6</b>	I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.	
LAST FIRST MI	TITLE	YEAR MO DAY		

DISCHARGE MONITORING REPORT

PERMITTEE NAME OMC Waukegan - Facility of Outboard Marine Corp.  
 ADDRESS 100 Sea Horse Drive  
 Waukegan, IL 60085 - Attn: Anthony Montemurro  
 PHONE 708/689-5363

COMMENTS

\*Samples required for each precipitation event greater than 0.3 inches in a 24 hour period.

This discharge is from the storm retention pond, constructed as agreed to in the consent decree entered in NRDC V. OMC, N.D. ILL. 87 C 4648

IL SI	00002267 PERMIT NUMBER	017 DIS	3519 SIC	42°22'19" LATITUDE	87°49'15" LONGITUDE
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REPORTING PERIOD FROM	1 2 0 1 9 5 YEAR MO DAY	TO	0 1 0 1 9 6 YEAR MO DAY
-----------------------	----------------------------	----	----------------------------

PARAMETER	REPORTED PERMIT CONDITION	QUANTITY				CONCENTRATION					FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX			
FLOW	NO RAIN EVENT EXCEEDED GREATER THAN 0.3 INCHES IN				10 <sup>6</sup> Gallons							* / 30	Calculation
pH (00440)	A 24 HOUR PERIOD FOR THE MONTH OF DECEMBER 1995.					6		9				* / 30	Grab
TOTAL SUSP. SOLIDS									mg/l			* / 30	Storm Composite
POLYCHLORINATED BIPHENYLS									mg/l			* / 30	Storm Composite

NAME OF PRINCIPAL EXECUTIVE OFFICER	TITLE OF THE OFFICER	DATE
Poole, Glenn E.	Plant Manager	01 216 916 YEAR MO DAY

I certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief such information is true, complete, and accurate.

*[Signature]*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

15-837-0097  
 WPC 742 11/79

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1042. Disclosure of this information is required. Failure to do so may result in a civil penalty up to \$10,000.00 per day of violation or a fine up to \$25,000.00 per day of violation and imprisonment.

**ATTACHMENT 2**

**CATEGORY 5 TREATMENT PLANT  
ANALYTICAL RESULTS**

**KEMRON Environmental Services**  
**109 Starlite Park**  
**Marietta, Ohio 45750**

Phone: (614) 373-4071

Outboard Marine Corporation  
190 Sea Horse Drive  
Waukegan, IL 60085

Attn: Tricia Sutton

Order #: N6-02-469

Date: March 4, 1996 15:23

Work ID: Waukegan Treatment Plant

Date Received: 02/27/96

Date Completed: 03/04/96

Client Code: OUTBOARD\_379

**SAMPLE IDENTIFICATION**

<u>Sample Number</u>	<u>Sample Description</u>	<u>Sample Number</u>	<u>Sample Description</u>
01	Influent	02	Influent (dup)
03	Effluent	04	Lead Carbon

*All results for soils/sludges are reported on a dry weight basis, where applicable, unless otherwise specified. This report shall not be reproduced, except in full, without the prior written approval of KEMRON.*

*Maren M Burchfield*  
Certified by  
Maren M. Burchfield

RECEIVED  
MAR 11 1996  
OMC ENVIRONMENTAL  
AFFAIRS DEPT

Order # N6-02-469  
March 4, 1996 15:24

KEMRON ENVIRONMENTAL SERVICES  
TEST RESULTS BY SAMPLE

Page 2

Test Code: PCB\_W  
Sample Description: Influent  
Test Description: Polychlorinated Biphenyls

Lab No: 01A

Collected: 02/26/96 10:15  
Category: WATER  
Method: 8080

Analyst: ECL  
Instrument: HP\_4F

Extracted: 02/28/96  
Injected: 02/29/96

File #: 006F0101  
Factor: 1

Units: ug/L

Verified: RSH

CAS#	COMPOUND	RESULT	DETECTION LIMIT
12674-11-2	Aroclor-1016	ND	0.50
11104-28-2	Aroclor-1221	ND	0.50
11141-16-5	Aroclor-1232	ND	0.50
53469-21-9	Aroclor-1242	ND	0.50
12672-29-6	Aroclor-1248	1.5	0.50
11097-69-1	Aroclor-1254	ND	1.00
11096-82-5	Aroclor-1260	ND	1.00

SURROGATES:

Decachlorobiphenyl	<u>78</u> % Recovery (25% - 140%)
2,4,5,6-tetrachloro-m-xylene	<u>75</u> % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE.

DET LIMIT = DETECTION LIMIT

ND = NOT DETECTED AT OR ABOVE THE METHOD

DETECTION LIMIT (MDL)

NA = NOT ANALYZED

Order # N6-02-469  
March 4, 1996 15:24

**KEMRON ENVIRONMENTAL SERVICES**  
**TEST RESULTS BY SAMPLE**

Page 3

Test Code: PCB\_W  
Sample Description: Influent (dup)  
Test Description: Polychlorinated Biphenyls

Lab No: 02A

Collected: 02/26/96 10:15  
Category: WATER  
Method: 8080

Analyst: ECL  
Instrument: HP\_4F

Extracted: 02/28/96  
Injected: 02/29/96

File #: 007F0101  
Factor: 1

Units: ug/L

Verified: RSH

CAS#	COMPOUND	RESULT	DETECTION LIMIT
12674-11-2	Aroclor-1016	ND	0.50
11104-28-2	Aroclor-1221	ND	0.50
11141-16-5	Aroclor-1232	ND	0.50
53469-21-9	Aroclor-1242	ND	0.50
12672-29-6	Aroclor-1248	1.5	0.50
11097-69-1	Aroclor-1254	ND	1.00
11096-82-5	Aroclor-1260	ND	1.00

**SURROGATES:**

Decachlorobiphenyl	<u>69</u> % Recovery (25% - 140%)
2,4,5,6-tetrachloro-m-xylene	<u>78</u> % Recovery (13% - 154%)

**NOTES AND DEFINITIONS FOR THIS SAMPLE.**

DET LIMIT = DETECTION LIMIT

ND = NOT DETECTED AT OR ABOVE THE METHOD

DETECTION LIMIT (MDL)

NA = NOT ANALYZED

Test Code: PCB\_W  
Sample Description: Effluent  
Test Description: Polychlorinated Biphenyls

Lab No: 03A

Collected: 02/26/96 10:20  
Category: WATER  
Method: 8080

Analyst: ECL  
Instrument: HP\_4F

Extracted: 02/28/96  
Injected: 02/29/96

File #: 008F0101  
Factor: 1

Units: ug/L

Verified: RSH

CAS#	COMPOUND	RESULT	DETECTION LIMIT
12674-11-2	Aroclor-1016	ND	0.50
11104-28-2	Aroclor-1221	ND	0.50
11141-16-5	Aroclor-1232	ND	0.50
53469-21-9	Aroclor-1242	ND	0.50
12672-29-6	Aroclor-1248	ND	0.50
11097-69-1	Aroclor-1254	ND	1.00
11096-82-5	Aroclor-1260	ND	1.00

**SURROGATES:**

Decachlorobiphenyl	<u>70</u> % Recovery (25% - 140%)
2,4,5,6-tetrachloro-m-xylene	<u>71</u> % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE.

DET LIMIT = DETECTION LIMIT

ND = NOT DETECTED AT OR ABOVE THE METHOD

DETECTION LIMIT (MDL)

NA = NOT ANALYZED

Order # N6-02-469  
March 4, 1996 15:24

**KEMRON ENVIRONMENTAL SERVICES**  
**TEST RESULTS BY SAMPLE**

Page 5

Test Code: PCB W  
Sample Description: Lead Carbon  
Test Description: Polychlorinated Biphenyls

Lab No: 04A

Collected: 02/26/96 10:25  
Category: WATER  
Method: 8080

Analyst: ECL      Extracted: 02/27/96      File #: 059R0101  
Instrument: HP\_4R      Injected: 02/28/96      Factor: 1      Units: ug/L      Verified: RSH

CAS#	COMPOUND	RESULT	DETECTION LIMIT
12674-11-2	Aroclor-1016	ND	0.50
11104-28-2	Aroclor-1221	ND	0.50
11141-16-5	Aroclor-1232	ND	0.50
53469-21-9	Aroclor-1242	ND	0.50
12672-29-6	Aroclor-1248	ND	0.50
11097-69-1	Aroclor-1254	ND	1.00
11096-82-5	Aroclor-1260	ND	1.00

**SURROGATES:**

Decachlorobiphenyl	<u>71</u> % Recovery (25% - 140%)
2,4,5,6-tetrachloro-m-xylene	<u>47</u> % Recovery (13% - 154%)

NOTES AND DEFINITIONS FOR THIS SAMPLE.  
DET LIMIT = DETECTION LIMIT  
ND = NOT DETECTED AT OR ABOVE THE METHOD  
DETECTION LIMIT (MDL)  
NA = NOT ANALYZED

Order # N6-02-469  
March 4, 1996 15:24

**KEMRON ENVIRONMENTAL SERVICES  
TEST METHODOLOGIES**

Page 6

EPA Method 608/8080 (SW-846)

# KEMRON ANALYST LIST

## Ohio Valley Laboratory

09/19/95

---

AJS - - Ashlee J. Scott  
ALC - - Ann L. Clark  
CEB - - Chad E. Barnes  
DIH - - Deanna I. Hesson  
DJP - - Douglas J. Poling  
DLP - - Dorothy L. Payne  
DST - - Dennis S. Tepe  
ECL - - Eric C. Lawson  
EDG - - Eric D. Gerkin  
FEH - - Fay E. Harmon  
FRM - - Fred R. Montgomery  
GWH - - George W. Hutchison  
HV - - Hema Vilasagar  
JEC - - Jesse E. Chapman  
JKM - - June K. Morris  
JLI - - Janice L. Inghram  
JLL - - Janice L. Landshof  
JLM - - Joy L. Mullins  
JMM - - Jim M. Monk  
JWR - - John W. Richards  
JYH - - Ji Y. Hu  
KHA - - Kim H. Archer  
KMM - - Kevin M. McDonald  
KPO - - Kevin P. Overstreet  
KRA - - Kathy R. Albertson  
LMW - - Lisa M. Wagner  
MBJ - - Matthew B. Jarrell  
MDA - - Mike D. Albertson  
MDC - - Michael D. Cochran  
MLS - - Michael L. Schimmel  
PJH - - Pamela J. Holtz  
REB - - Russell E. Burton  
REK - - Robert E. Kyer  
RJS - - Rick J. Santos  
RWC - - Rodney W. Campbell  
SCM - - Susan C. Moellendick  
SCW - - Stephen C. West  
SLT - - Stephanie L. Tepe  
SPL - - Steve P. Learn  
TAS - - Tamela A. Sams  
TLD - - Teresa L. Davis  
VC - - Vicki Collier  
WCD - - Wade C. Dawson

# ORGANIC QA/QC

KEMRON ENVIRONMENTAL SERVICES  
 MARIETTA, OH  
 QUALITY CONTROL/ PCB WATERS HP IV FRONT DB-808

RUN DATE: 2/28/98  
 INSTRUMENT: HP4 DB808  
 ANALYST(S): ECL

BLK FLNM: 004F0101  
 LCS FLNM 005F0101  
 SHIFT: AM

SAMPL NAM 02-489-04  
 SMPL FLNM 009F0101  
 MS FLNM: 010F0101  
 MSD FLNM: 011F0101

SAMPLE SURROGATE RECOVERY  
 2,4,5,6-TETRACHLOROMETAXYLENE 48.4  
 DECACHLOROBIPHENYL 71.3

Aroclor	PRACTICAL QUANTITATION LIMIT (POL)	METHOD BLANK	BLANK SURROGATE RECOVERY	LABORATORY CONTROL SAMPLE			CONTROL TRENDS		SAMPLE RESULT	MS RESULT	MSD RESULT	MS PERCENT RECOVERY	MSD PERCENT RECOVERY	ADVISORY LIMITS	PERCENT RPD	ADVISORY LIMITS
	ug/L	ug/L	%	LCS ug/L	PERCENT RECOVERY	ADVISORY LIMITS	AVE	SLOPE								
AR1221	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1232	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1242	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1246	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1254	1.0	0.0		10.3	103.3	29-131	NA	NA	NA	21.6	21.6	108.0	107.9	29-131	0.1	0-40
AR1260	1.0	0.0		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
<b>SURROGATES</b>																
2,4,5,6-TETRACHLOROMETAXYLENE		0.5	54.5	0.3	34.8	NA	NA	NA	0.5	1.2	1.1	60.1	53.3			
DECACHLOROBIPHENYL		0.8	80.7	0.7	74.5	NA	NA	NA	0.7	1.5	1.7	78.6	85.4			

KEMRON ENVIRONMENTAL SERVICES  
 MARIETTA, OH  
 QUALITY CONTROL/ PCB WATERS HPV REAR DB-5

RUN DATE: 2/28/98  
 INSTRUMENT: HP4 DB5  
 ANALYST(S): ECL

BLK FLNM: 054R0101  
 LCS FLNM 055R0101  
 SHIFT: AM

SMPL NAM 02-489-04 SAMPLE SURROGATE RECOVERY  
 SMPL FLNM 059R0101  
 MS FLNM: 060R0101 2,4,5,8-TETRACHLOROMETAXYLENE 48.9  
 MSD FLNM: 061R0101 DECACHLOROBIPHENYL 70.5

Aroclor	PRACTICAL QUANTITATION LIMIT (POL) ug/L	METHOD BLANK ug/L	BLANK SURROGATE RECOVERY %	LABORATORY CONTROL SAMPLE			CONTROL TRENDS		SAMPLE RESULT ug/L	MS RESULT ug/L	MSD RESULT ug/L	MS PERCENT RECOVERY %	MSD PERCENT RECOVERY %	ADVISORY LIMITS %	PERCENT RPD %	ADVISORY LIMITS %
				LCS ug/L	PERCENT RECOVERY %	ADVISORY LIMITS %	AVE	SLOPE								
AR1221	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1232	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1242	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1246	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
AR1254	1.0	0.0		10.8	108.1	29-131	NA	NA	NA	22.3	22.3	111.5	111.4	29-131	0.1	0-40
AR1260	1.0	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
<b>SURROGATES</b>																
2,4,5,8-TETRACHLOROMETAXYLENE		0.8	56.0	0.3	34.9	NA	NA	NA	0.5	1.2	1.1	61.1	53.6			
DECACHLOROBIPHENYL		0.8	79.2	0.7	74.2	NA	NA	NA	0.7	1.5	1.7	75.0	83.0			

KEMRON ENVIRONMENTAL SERVICES  
 MARIETTA, OH  
 QUALITY CONTROL/ PCB WATERS HPV FRONT DB-808

RUN DATE: 2/29/98  
 INSTRUMENT: HP4 DB608  
 ANAL YRT(S): ECL

BLK FLNM: 003F0101  
 LCS FLNM 004F0101  
 SHIFT: AM

SAMPL NAM NA SAMPLE SURROGATE RECOVERY  
 SMPL FLNM NA  
 MS FLNM: 003F0101 2,4,5,8 TETRACHLOROMETAXYLENE 0.0  
 MSD FLNM: NA DECACHLOROBIPHENYL 0.0

Aroclor	PRACTICAL QUANTITATION LIMIT (PQL)	METHOD BLANK	BLANK SURROGATE RECOVERY	LABORATORY CONTROL SAMPLE			CONTROL TRENDS		SAMPLE RESULT	MS RESULT	MSD RESULT	MS PERCENT RECOVERY	MSD PERCENT RECOVERY	ADVISORY LIMITS	PERCENT RPD	ADVISORY LIMITS
				LCS ug/L	PERCENT RECOVERY	ADVISORY LIMITS	AVE	SLOPE								
AR1221	0.5	0.0	%	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AR1242	0.5	0.0	%	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AR1242	0.5	0.0	%	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
AR1248	0.5	0.0	%	0.0	88.4	NA	NA	NA	8.8	8.8	88.4	88.2	NA	2.0	NA	NA
AR1254	1.0	0.0	%	0.0	0.0	29-131	NA	NA	NA	0.0	0.0	0.0	0.0	29-131	ERR	0-40
AR1499	1.0	0.0	%	0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SURROGATES																
2,4,5,8-TETRACHLOROMETAXYLENE		0.8	79.1	0.8	77.3	NA	NA	NA	0.0	0.8	0.8	77.3	77.4			
DECACHLOROBIPHENYL		1.0	98.9	1.0	98.5	NA	NA	NA	0.0	1.0	1.0	98.5	95.1			

KEMRON ENVIRONMENTAL SERVICES  
 MARIETTA, OH  
 QUALITY CONTROL/ PCB WATERS HP4 REAR DB-5

RUN DATE: 2/29/98  
 INSTRUMENT: HP4 DB5  
 ANALYST(S): ECL

BLK FLNM: 053R0101  
 LCS FLNM 054R0101  
 SHIFT: AM

SMPL NAM NA SAMPLE SURROGATE RECOVERY  
 SMPL FLNM NA  
 MS FLNM: 055R0101 2,4,5,6-TETRACHLOROMETAXYLENE 0.0  
 MSD FLNM: NA DECACHLOROBIPHENYL 0.0

Aroclor	PRACTICAL QUANTITATION LIMIT (PQL)	METHOD BLANK	BLANK SURROGATE RECOVERY	LABORATORY CONTROL SAMPLE			CONTROL TRENDS		SAMPLE RESULT	MS RESULT	MSD RESULT	MS PERCENT RECOVERY	MSD PERCENT RECOVERY	ADVISORY LIMITS	PERCENT RPD	ADVISORY LIMITS
	ug/L	ug/L	%	ug/L	PERCENT RECOVERY	ADVISORY LIMITS	AVE	SLOPE								
AR1221	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
AR1222	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
AR1242	0.5	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	
AR1248	0.5	0.0		0.0	80.5	NA	NA	NA	0.0	0.2	80.5	81.6		1.4		
AR1254	1.0	0.0		0.0	0.0	29-131	NA	NA	NA	0.0	0.0	0.0	29-131	ERR	0-40	
AR1260	1.0	0.0		0.0	NA	NA	NA	NA	NA	NA	NA	NA		NA		
SURROGATES																
2,4,5,6-TETRACHLOROMETAXYLENE		0.8	82.8	0.8	79.3	NA	NA	NA	0.0	0.8	0.8	79.3	78.8			
DECACHLOROBIPHENYL		1.0	98.0	1.0	95.0	NA	NA	NA	0.0	1.0	0.9	95.0	93.7			



**KEMRON Environmental Services**  
**109 Starlite Park**  
**Marietta, Ohio 45750**

Phone: (614) 373-4071

Outboard Marine Corporation  
190 Sea Horse Drive  
Waukegan, IL 60085

Attn: Tricia Sutton

Login #: 96-03-547  
Date Received: 03/29/96  
Date Completed: 04/09/96  
Date Reported: 04/09/96 11:02  
Work ID: OMC WAUKEGAN HARBOR/TREATMENT

Client Code: OUTBOARD-379

**SAMPLE IDENTIFICATION**

Sample Number	Sample Description	Sample Number	Sample Description
01 03	LEAD CARBON INFLUENT	02	EFFLUENT

*All results for soils/sludges are reported on a dry weight basis, where applicable, unless otherwise specified. This report shall not be reproduced, except in full, without the prior written approval of KEMRON.*

  
Certified by  
David L. Bumgarner

Order # 96-03-547  
April 9, 1996 11:02

**KEMRON ENVIRONMENTAL SERVICES**  
**TEST RESULTS BY SAMPLE**

Page 2

Test Code: 808-PCB-W  
Sample Description: LEAD CARBON  
Test Description: PCB's (Water)

Lab No: 01

Collected: 03/28/96 9:00  
Category: WasteH2O  
Method: 8080

Analyst: ECL  
Instrument: HP4F

Extracted: 04/03/96  
Injected: 04/04/96

File: 005F0101  
Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT
12674-11-2	Aroclor-1016	ND	0.5000
11104-28-2	Aroclor-1221	ND	0.5000
11141-16-5	Aroclor-1232	ND	0.5000
5369-21-9	Aroclor-1242	ND	0.5000
12672-29-6	Aroclor-1248	ND	0.5000
11097-69-1	Aroclor-1254	ND	1
11096-82-5	Aroclor-1260	ND	1

**SURROGATES:**

Decachlorobiphenyl	69 % Recovery (25% - 140%)
2,4,5,6-Tetrachloro-m-xylene	57 % Recovery (13% - 154%)

**NOTES AND DEFINITIONS FOR THIS SAMPLE:**

ND = Not detected at or above the reporting limit

Order # 96-03-547  
April 9, 1996 11:02KEMRON ENVIRONMENTAL SERVICES  
TEST RESULTS BY SAMPLE

Page 3

Test Code: 808-PCB-W  
Sample Description: EFFLUENT  
Test Description: PCB's (Water)

Lab No: 02

Collected: 03/28/96 9:10  
Category: WasteH2O  
Method: 8080Analysis: ECL  
Instrument: HP4FExtracted: 04/03/96  
Injected: 04/04/96File: 008F0101  
Factor: 1

Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT
12674-11-2	Aroclor-1016	ND	0.5000
11104-28-2	Aroclor-1221	ND	0.5000
11141-16-5	Aroclor-1232	ND	0.5000
5369-21-9	Aroclor-1242	ND	0.5000
12672-29-6	Aroclor-1248	ND	0.5000
11097-69-1	Aroclor-1254	ND	1
11096-82-5	Aroclor-1260	ND	1

## SURROGATES:

Decachlorobiphenyl	59 % Recovery (25% - 140%)
2,4,5,6-Tetrachloro-m-xylene	55 % Recovery (13% - 154%)

## NOTES AND DEFINITIONS FOR THIS SAMPLE:

ND = Not detected at or above the reporting limit

Order # 96-03-547  
April 9, 1996 11:02

KEMRON ENVIRONMENTAL SERVICES  
TEST RESULTS BY SAMPLE

Page 4

Test Code: 808-PCB-W  
Sample Description: INFLUENT  
Test Description: PCB's (Water)

Lab No: 03

Collected: 03/28/96 9:20  
Category: WasteH2O  
Method: 8080

Analyst: ECL      Extracted: 04/03/96      File: 009F0101  
Instrument: HP4F      Injected: 04/04/96      Factor: 1      Units: ug/L

CAS#	COMPOUND	RESULT	REPORTING LIMIT
12674-11-2	Aroclor-1016	ND	0.5000
11104-28-2	Aroclor-1221	ND	0.5000
11141-16-5	Aroclor-1232	ND	0.5000
5369-21-9	Aroclor-1242	ND	0.5000
12672-29-6	Aroclor-1248	ND	0.5000
11097-69-1	Aroclor-1254	ND	1
11096-82-5	Aroclor-1260	ND	1

**SURROGATES:**

Decachlorobiphenyl	<u>76</u> % Recovery (25% - 140%)
2,4,5,6-Tetrachloro-m-xylene	<u>57</u> % Recovery (13% - 154%)

**NOTES AND DEFINITIONS FOR THIS SAMPLE:**

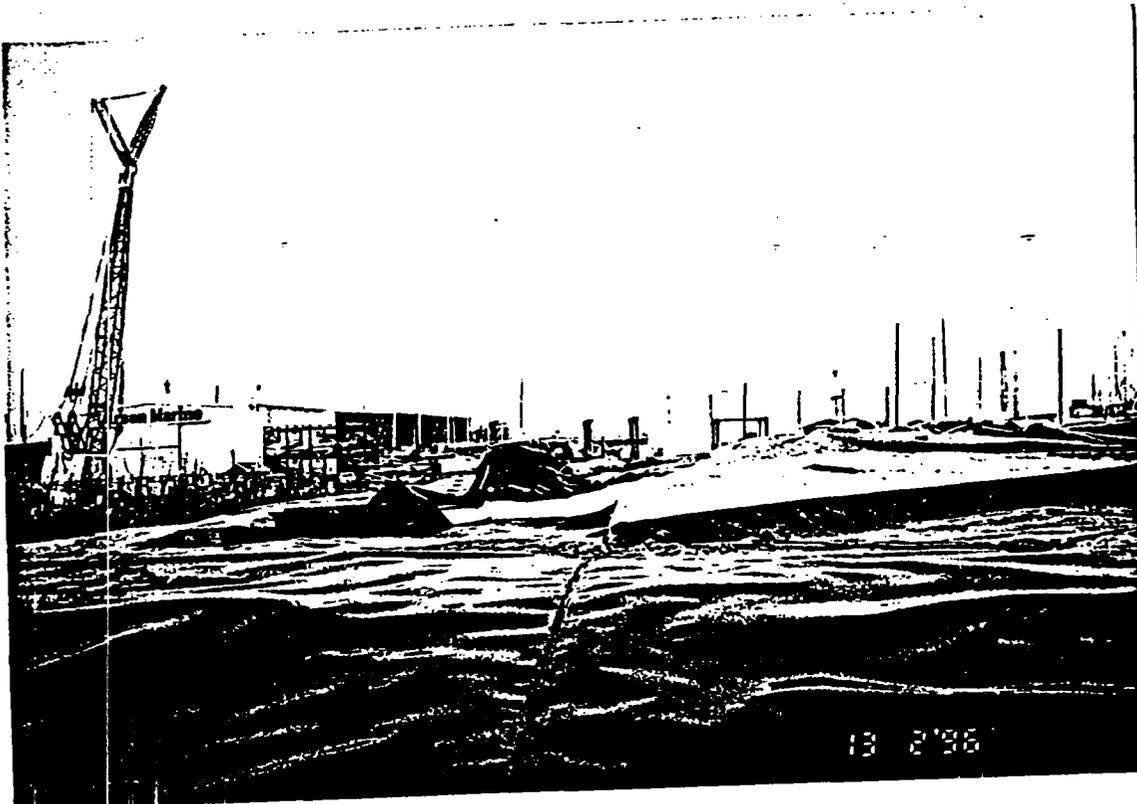
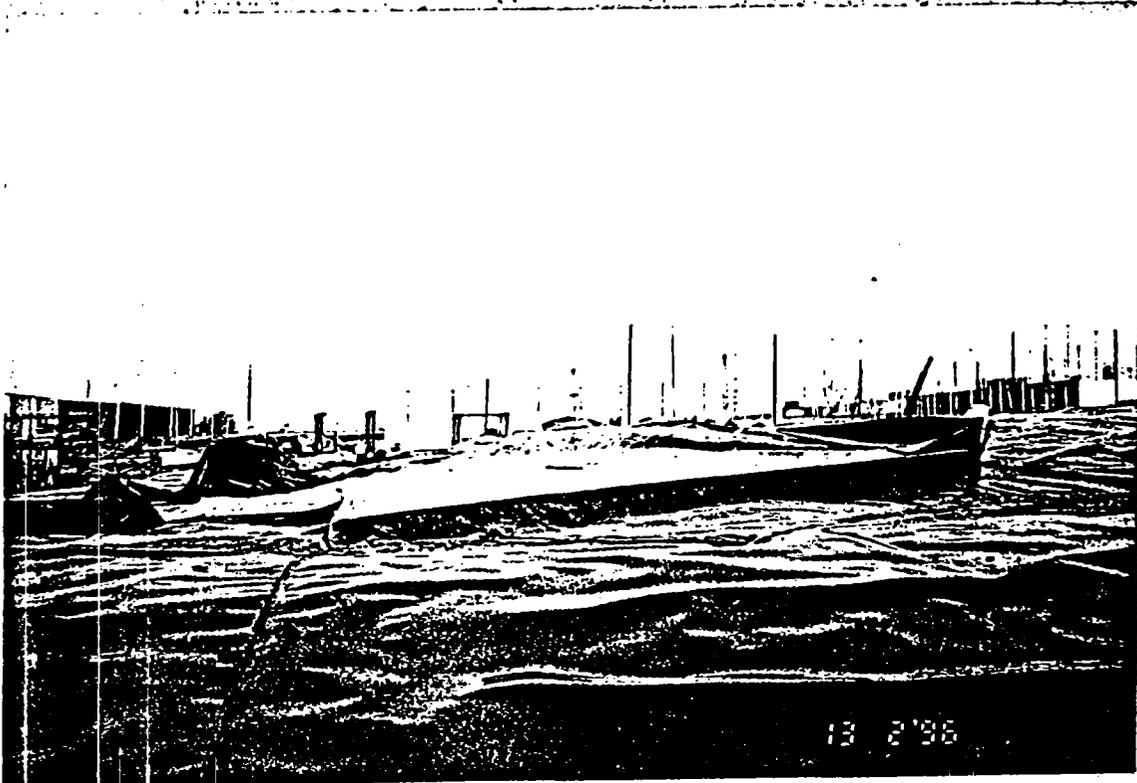
ND = Not detected at or above the reporting limit

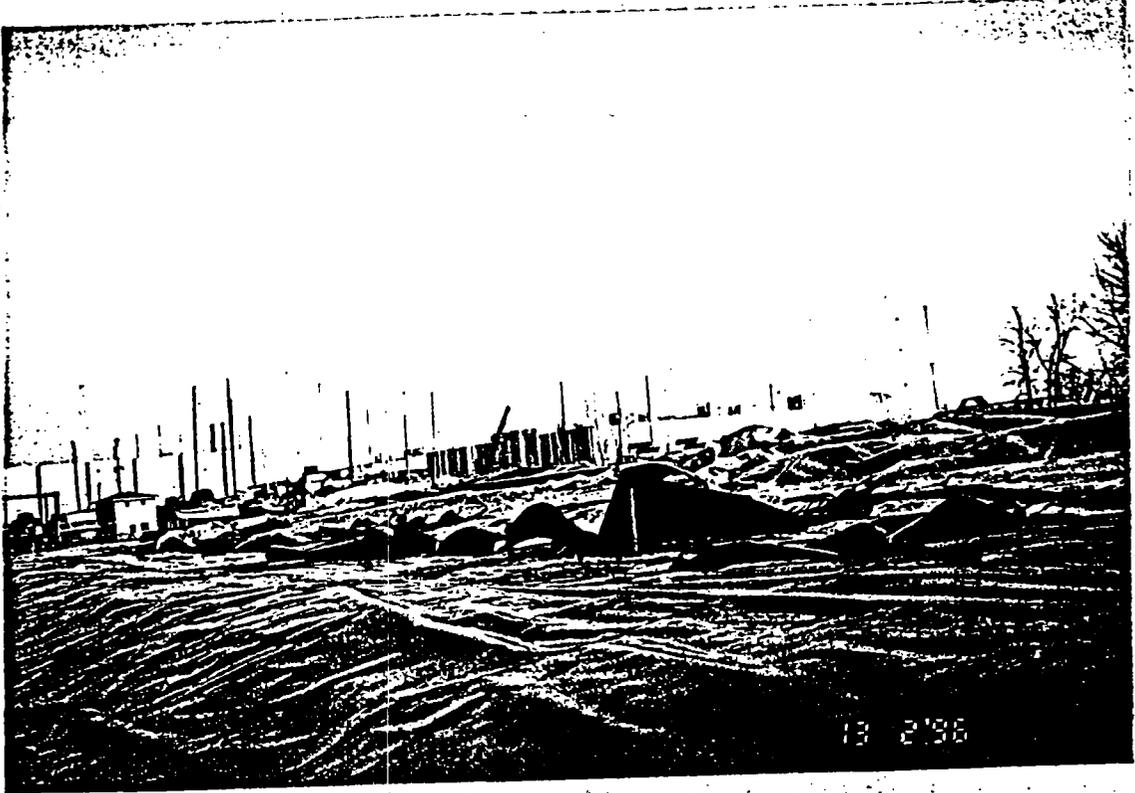
**ATTACHMENT 3**

**TEMPORARY DESIGNATED SOIL STOCKPILE  
REPAIRS TO COVER 2/14 - 3/2/96**

**PHOTOS OF DAMAGED AREA**

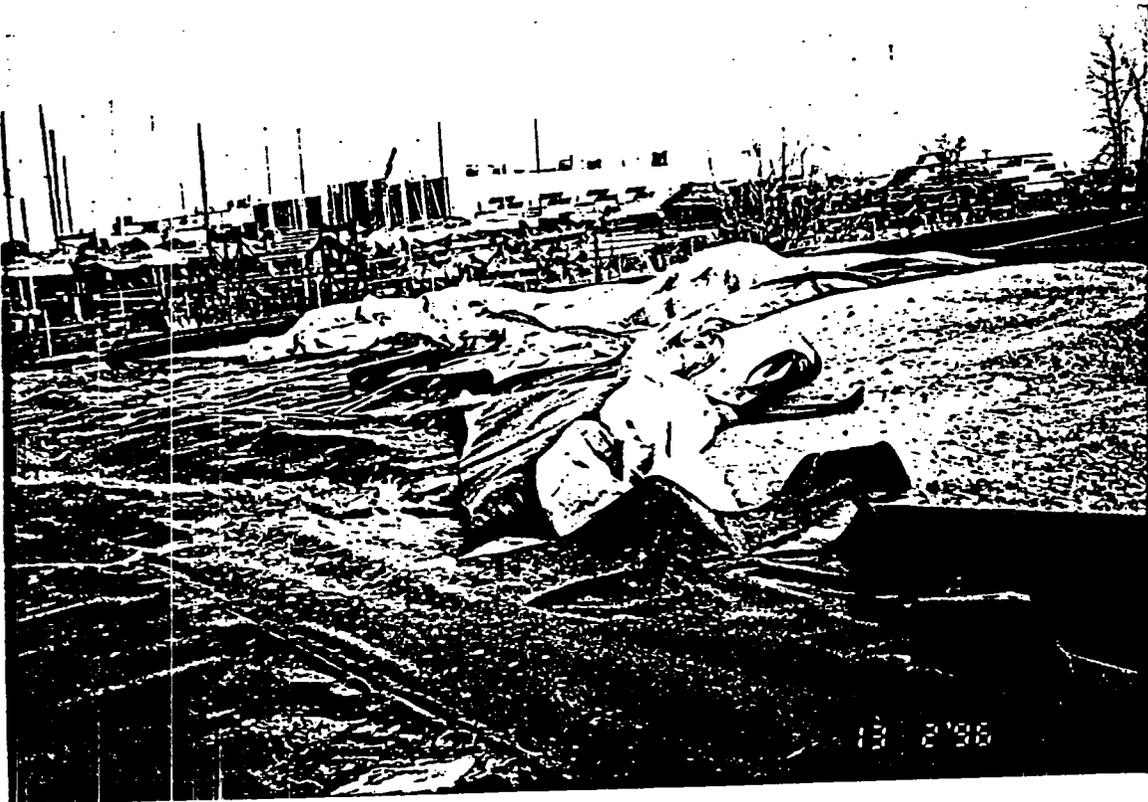
**2/13/96**



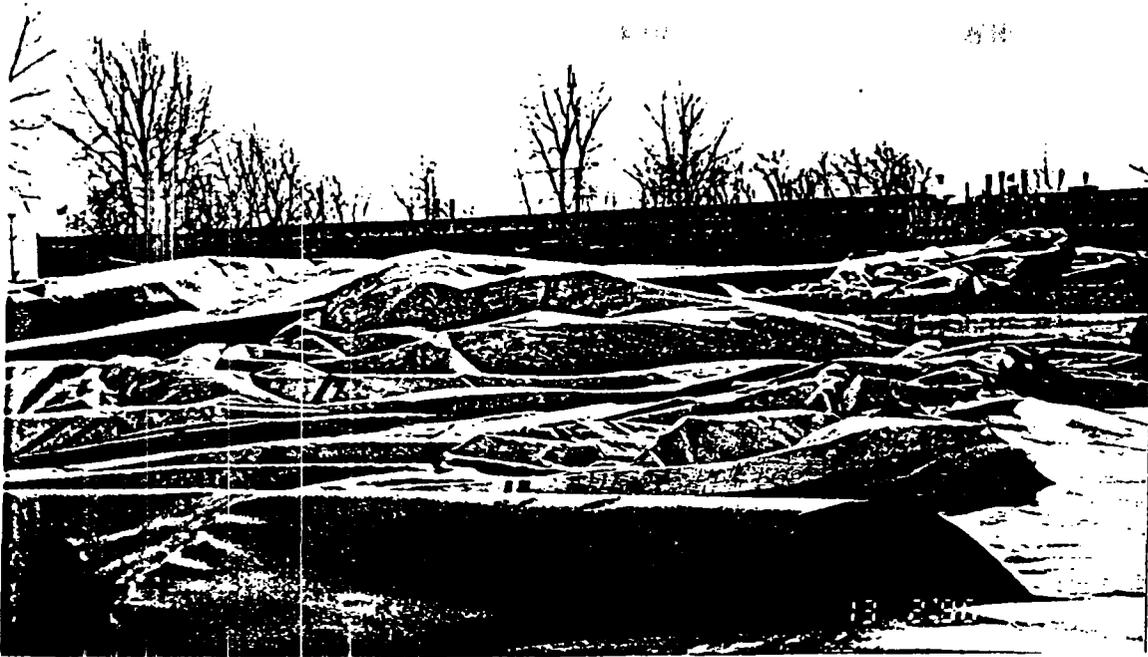






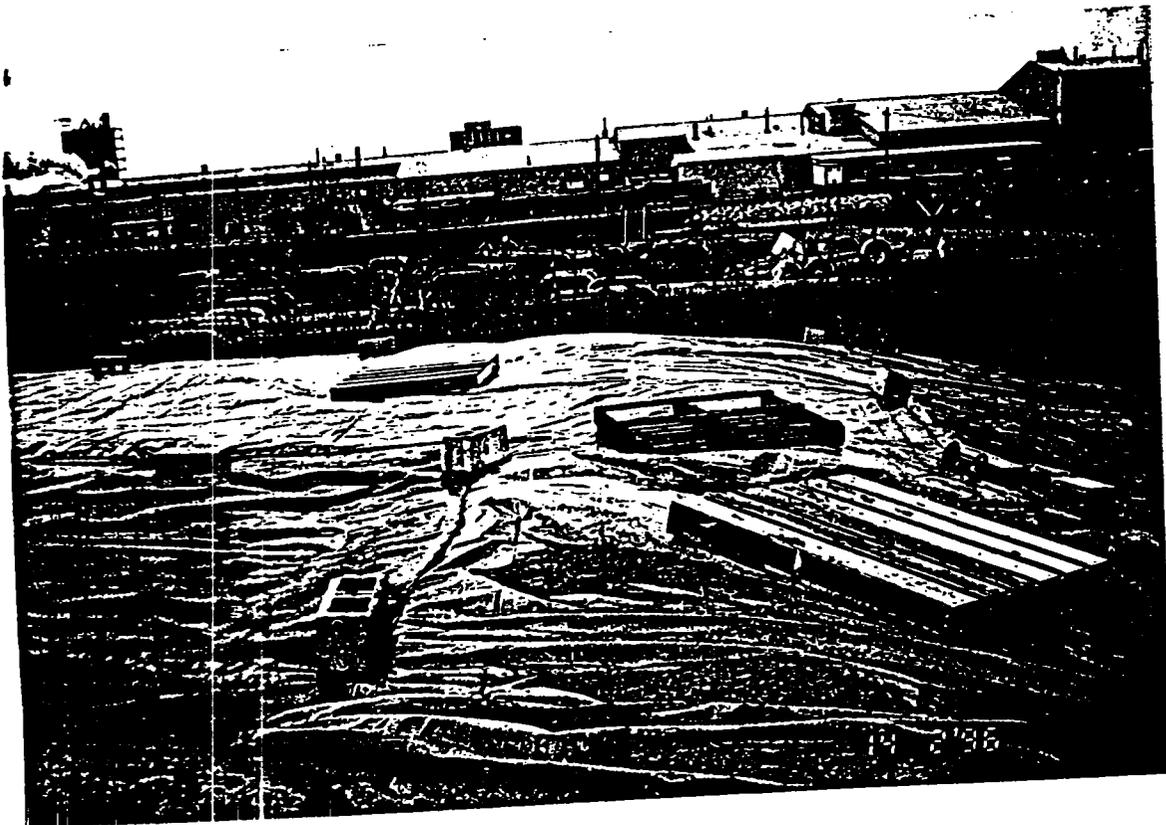
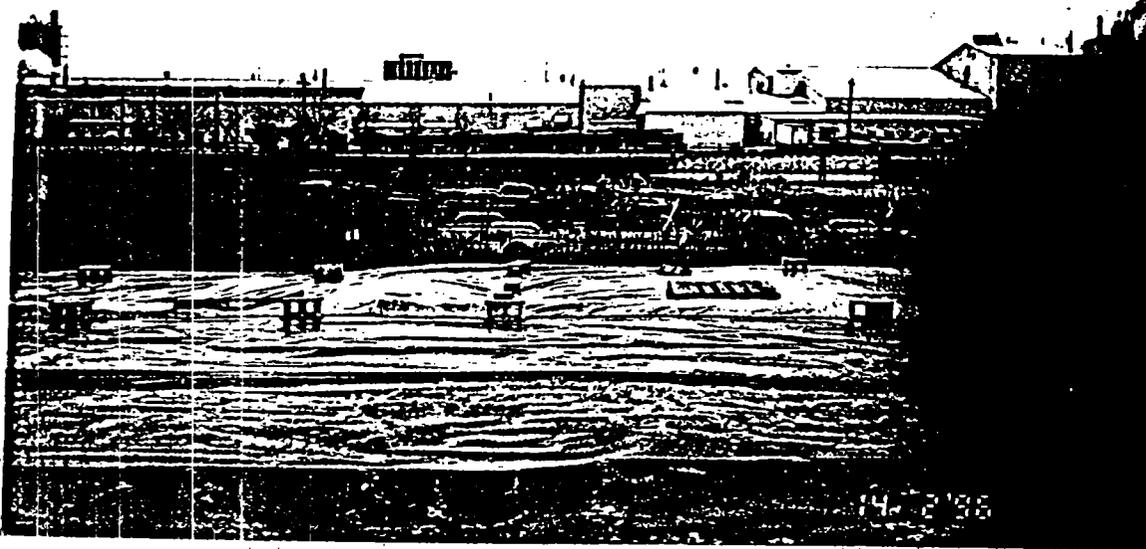


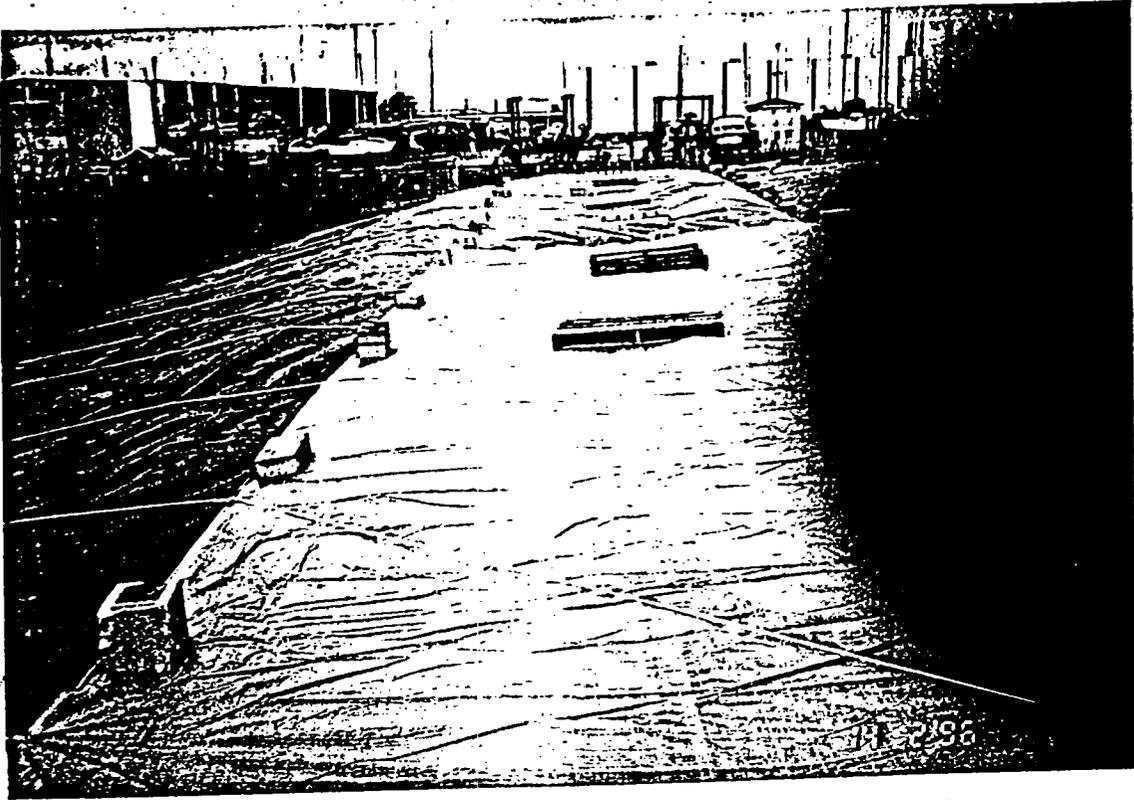


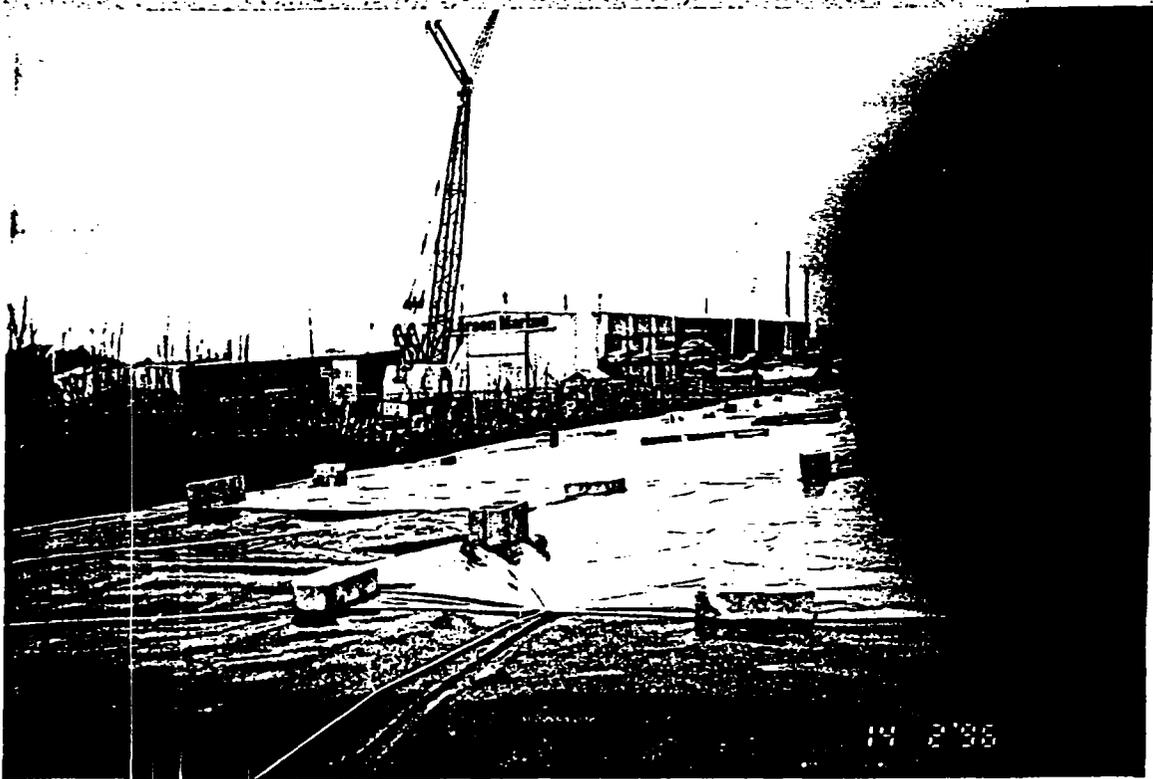


**PHOTOS OF TEMPORARY PATCH**

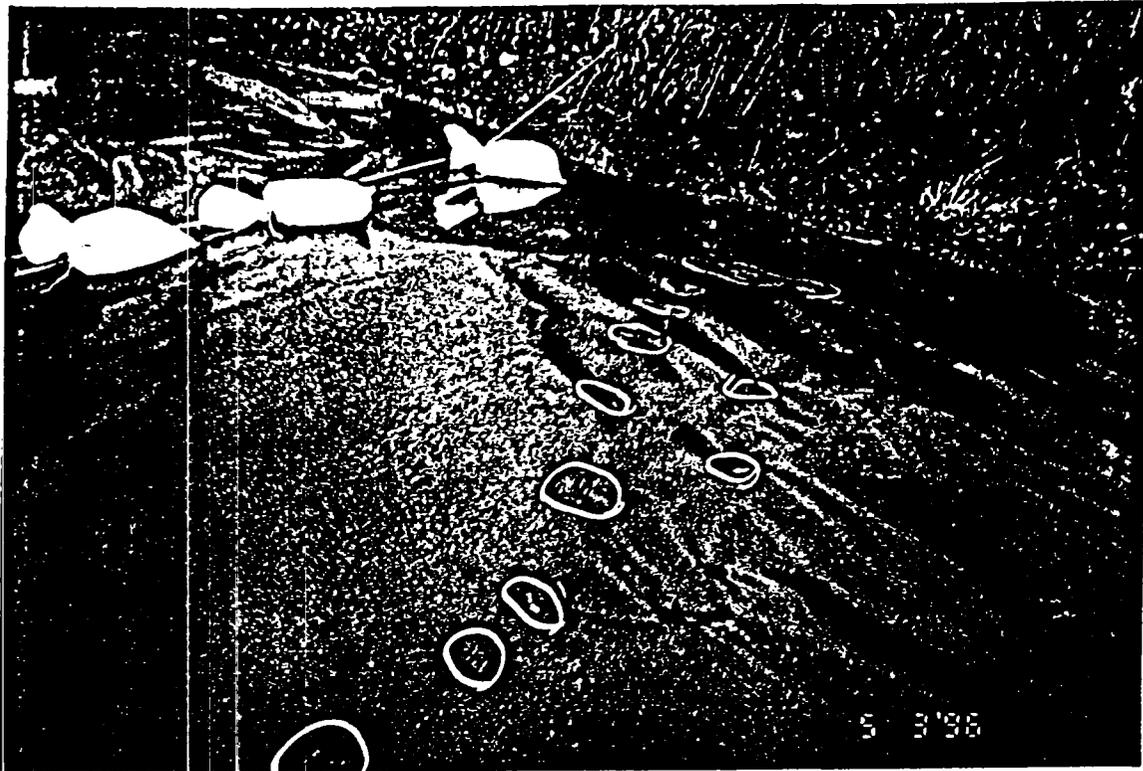
**2/14/96**

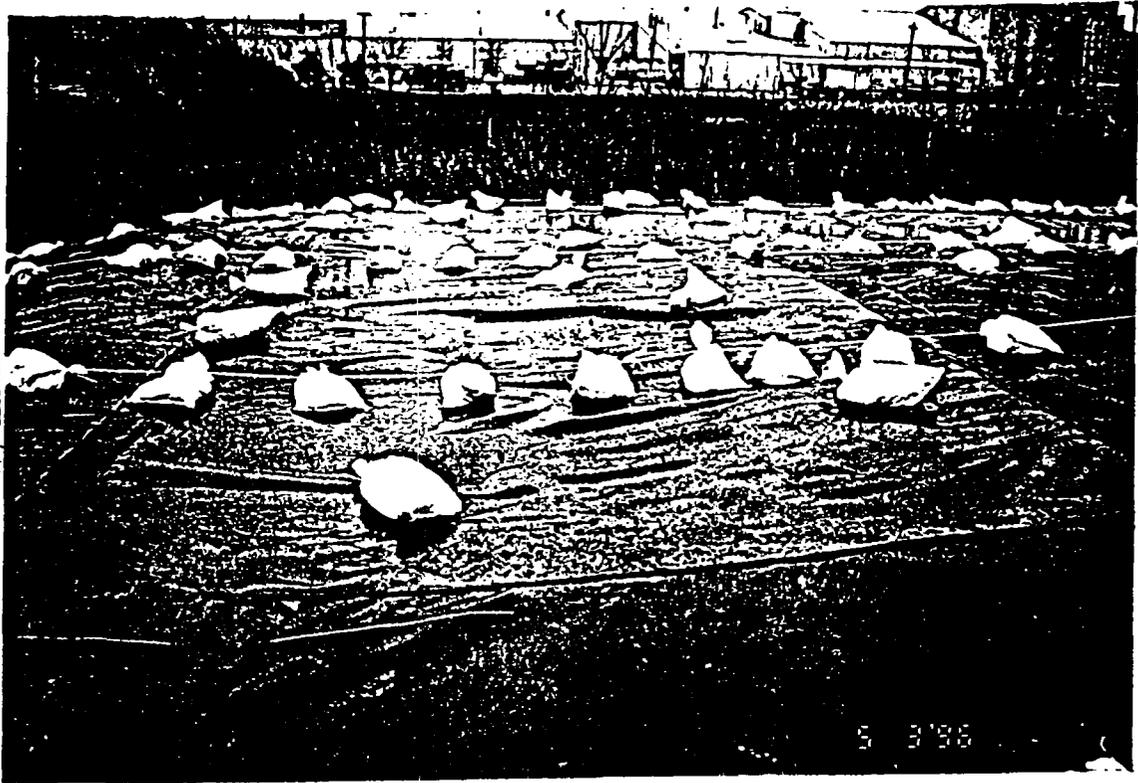




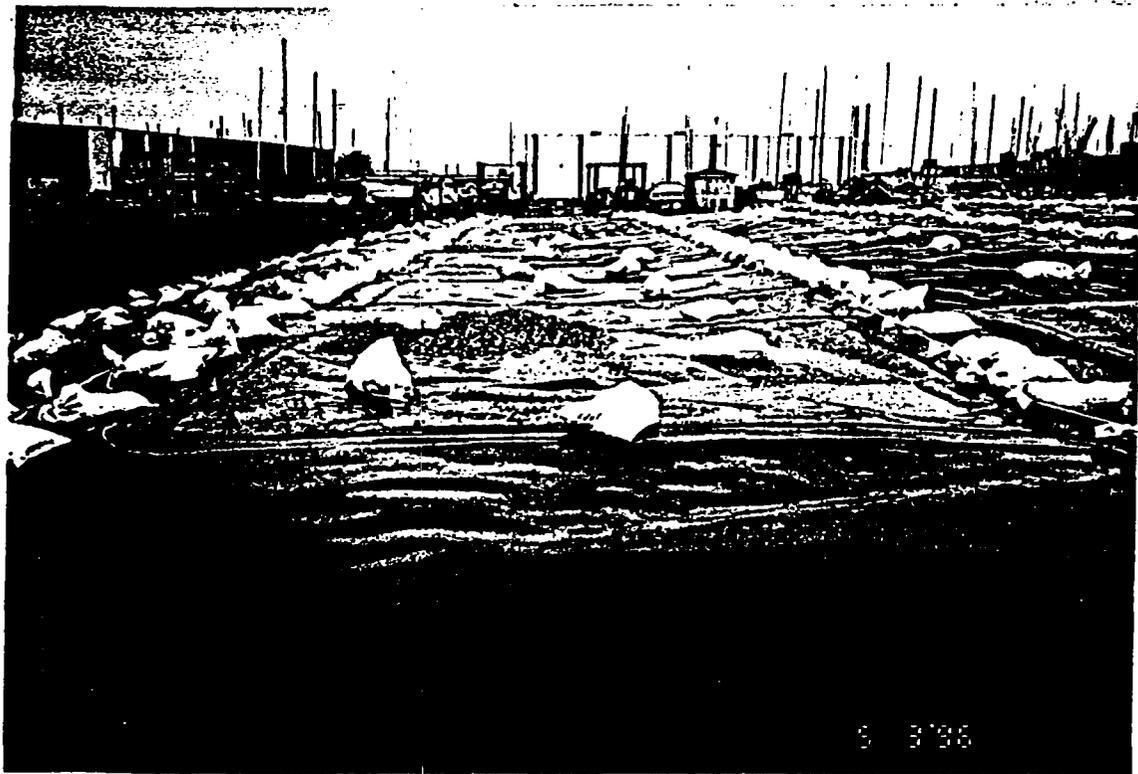


**PHOTOS OF PERMANENT REPAIR**  
**3/5/96**





5 3'36



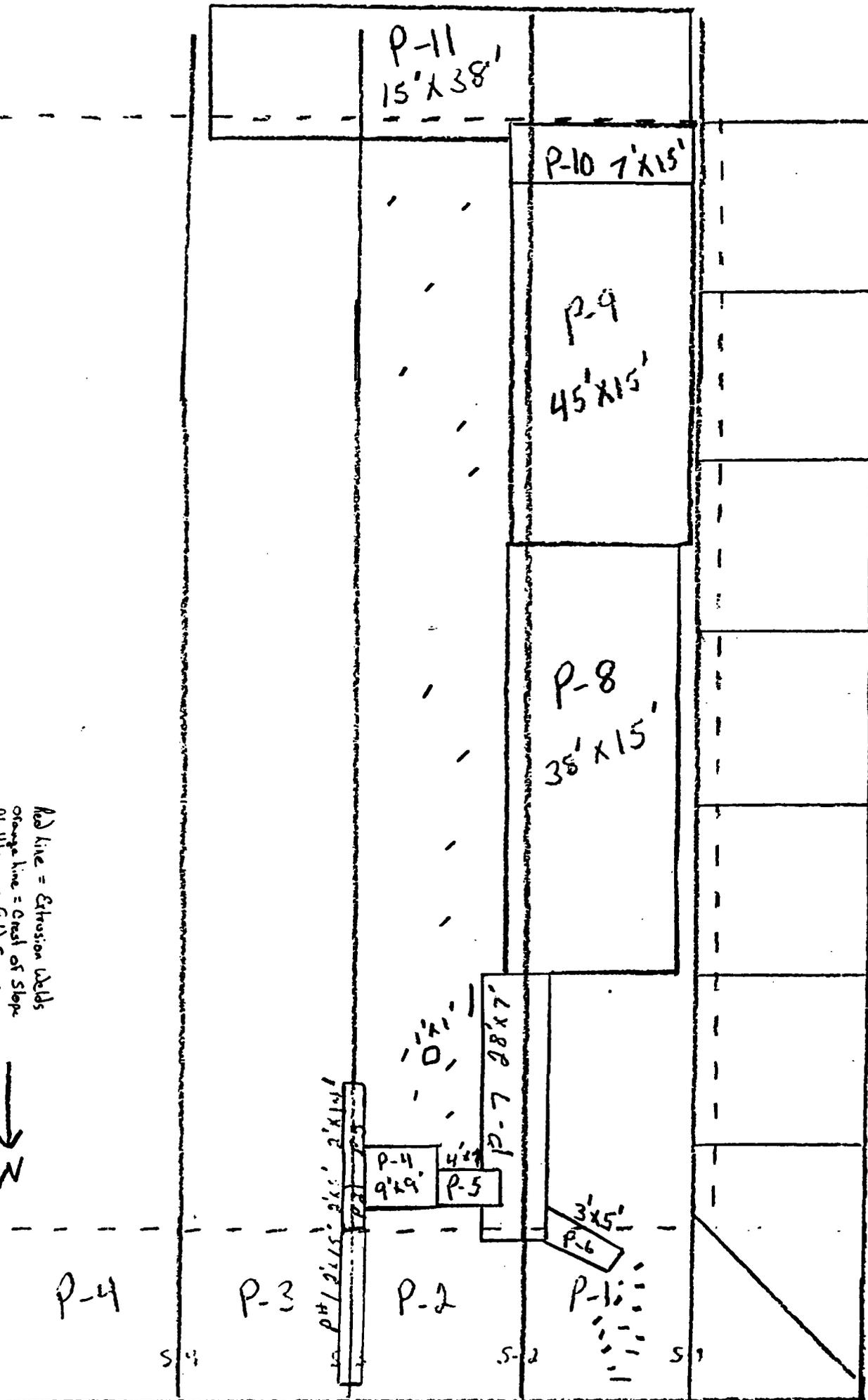
5 3'36

SKETCH OF REPAIRED AREAS

AND

FIELD TEST DATA

Red line = Extrusion Wells  
 Orange line = Crest of Slope  
 Blackline = Field Seams



GSCI REPAIR REPORT

PROJECT NAME: *OMC Repair* PROJECT NUMBER: *96014* MATERIAL DESCRIPTION: *40mil HDPE*

F.S. ****	PANEL NO.	DATE *****	REPAIR CREW	MACH NO	TEST DATE	TESTER INT	P/F ***	LOCATION OF REPAIR/ PATCH SIZE/ LENGTH OF EXT WELD/ LENGTH OF V-BOX
3	2-3	2/29/96	Jw RR	HS1	3/1/96	RR	P	FS3 1' From N End / 2' x 15' P#1 34' of Ext Weld / 34' of V-Box
2	2-3	2/29/96	Jw RR	HS1	3/1/96	RR	P	FS3 16' From N End / 8' x 5' P#2 14' of Ext Weld / 14' of V-Box
2	2-3	2/29/96	Jw RR	HS1	3/1/96	RR	P	FS3 21' From N End / 2' x 14' P#3 32' of Ext Weld / 32' of V-Box
	2	2/29/96	Jw RR	HS1	3/1/96	RR	P	P#2 20' From N End / 9' x 9' P#4 36' of Ext Weld / 36' of V-Box
	2	2/29/96	Jw RR	HS1	3/1/96	RR	P	P#2 20' From N End / 4' x 7' P#5 32' of Ext Weld / 32' of V-Box
	1	2/29/96	Jw RR	HS1	3/1/96	RR	P	P#1 20' From N End / 3' x 5' P#6 16' of Ext Weld / 16' of V-Box
2	1-2	2/29/96	Jw RR	HS1	3/1/96	RR	P	FS#2 20' From N End / 28' x 7' P#7 70' of Ext Weld / 70' of V-Box
	1	2/29/96	Jw RR	HS1	3/2/96	RR	P	P#1 13 Beads 4" long North 16'
2	2	2/29/96	Jw RR	HS1	3/2/96	RR	P	P#2 1 Bead 4' long 40' from North End
2	1-2	3/2/96	Jw RR	HS1	3/2/96	RR	P	FS#2 48' From N End / 38' x 15' P#8 106' of Ext Weld / 106' of V-Box
2	1-2	3/2/96	Jw RR	HS1	3/2/96	RR	P	FS#2 86' From N End / 45' x 15' P#9 120' of Ext Weld / 120' of V-Box
2	1-2	3/2/96	Jw RR	HS1	3/2/96	RR	P	FS#2 131' From N End / 7' x 15' P#10 44' of Ext Weld / 44' of V-Box
2-3	1-2-3	3/2/96	Jw RR	HS1	3/2/96	RR	P	FS#2-3 138' From N End / 15' x 38' P#11 106' of Ext Weld / 106' of V-Box
		1/1			1/1			
		1/1			1/1			
		1/1			1/1			
		1/1			1/1			
		1/1			1/1			

See Revised Form

GSI TRIAL WELD INFORMATION FORM

PROJECT NAME: A.B.C.						PROJECT NUMBER: 12345				MATERIAL DESCRIPTION: 560								
						EXTRUSION WELD		FUSION WELD		PEEL VALUES LBS/IN						SHEAR LBS/IN		
DATE	TIME	AMB TEMP	QC INT	MACH NO	SEAMER INT	BARREL TEMP	PREHEAT TEMP	WEDGE TEMP	SET SPEED	1	2	3	4	5	6	7	8	
<del>4-2-92</del>	<del>8:00</del>	<del>45</del>	<del>TG</del>	<del>1645</del>	<del>JK</del>			<del>725</del>	<del>500</del>	<del>125</del> ***	<del>122</del> ***	<del>120</del> ***	<del>120</del> ***	<del>120</del> ***	<del>120</del> ***	<del>***</del>	<del>***</del>	
<del>4-2-92</del>	<del>8:10</del>	<del>45</del>	<del>TG</del>	<del>1621</del>	<del>JK</del>			<del>725</del>	<del>500</del>	<del>127</del>	<del>130</del>	<del>118</del>	<del>119</del>	<del>122</del>	<del>115</del>	<del>187</del>	<del>Pass</del>	
<del>4-2-92</del>	<del>8:10</del>	<del>45</del>	<del>TG</del>	<del>1621</del>	<del>JK</del>			<del>725</del>	<del>500</del>	<del>121</del> ***	<del>120</del> ***	<del>121</del> ***	<del>117</del> ***	<del>115</del> ***	<del>125</del> ***	<del>***</del>	<del>***</del>	
<del>4-2-92</del>	<del>8:20</del>	<del>45</del>	<del>TG</del>	<del>4126</del>	<del>BU</del>	<del>230</del>	<del>8</del>			<del>122</del>	<del>117</del>	<del>119</del>	<del>119</del>	<del>118</del>	<del>120</del>	<del>191</del>	<del>Pass</del>	
<del>4-2-92</del>	<del>8:20</del>	<del>45</del>	<del>TG</del>	<del>4126</del>	<del>BU</del>	<del>230</del>	<del>8</del>			<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	
<del>4-2-92</del>	<del>8:25</del>	<del>47</del>	<del>TG</del>	<del>4116</del>	<del>CG</del>	<del>235</del>	<del>7</del>			<del>115</del>	<del>117</del>	<del>106</del>	<del>109</del>	<del>111</del>	<del>115</del>	<del>180</del>	<del>Pass</del>	
<del>4-2-92</del>	<del>8:25</del>	<del>47</del>	<del>TG</del>	<del>4116</del>	<del>CG</del>	<del>235</del>	<del>7</del>			<del>***</del>	<del>***</del>	<del>PEEL</del> ***	<del>PEEL</del> ***	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	
<del>4-2-92</del>	<del>8:30</del>	<del>47</del>	<del>TG</del>	<del>4116</del>	<del>CG</del>	<del>235</del>	<del>8</del>			<del>102</del>	<del>101</del>	<del>98</del>	<del>90</del>				<del>FAIL</del>	
<del>4-2-92</del>	<del>8:30</del>	<del>47</del>	<del>TG</del>	<del>4116</del>	<del>CG</del>	<del>235</del>	<del>8</del>			<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	<del>***</del>	
<del>4-2-92</del>	<del>8:30</del>	<del>47</del>	<del>TG</del>	<del>4116</del>	<del>CG</del>	<del>235</del>	<del>8</del>			<del>110</del>	<del>111</del>	<del>115</del>	<del>117</del>	<del>102</del>	<del>109</del>	<del>175</del>	<del>Pass</del>	
2/29/96	1:00 PM	10°	RR	HSI	JW	210°	5			Sunny Windy 5-10% VH	98 ***	81 ***	116 ***	78 ***	***	***	***	***
											151	156						
B 11/96	8:30 AM	15°	RR	HSI	JW	200°	5			Sunny + COLD	77 ***	96 ***	90 ***	96 ***	***	***	***	***
											150	148						
3/2/96	8:30 AM	21°	RR	HSI	JW	200°	5			Windy Snow	82 ***	89 ***	95 ***	100 ***	***	***	***	***
											148	155						

6 PEELS / 1 SHEAR

RECORD ALL PASS AND FAIL TRIAL WELDS